



COPY OF PAPERS
ORIGINALLY FILED

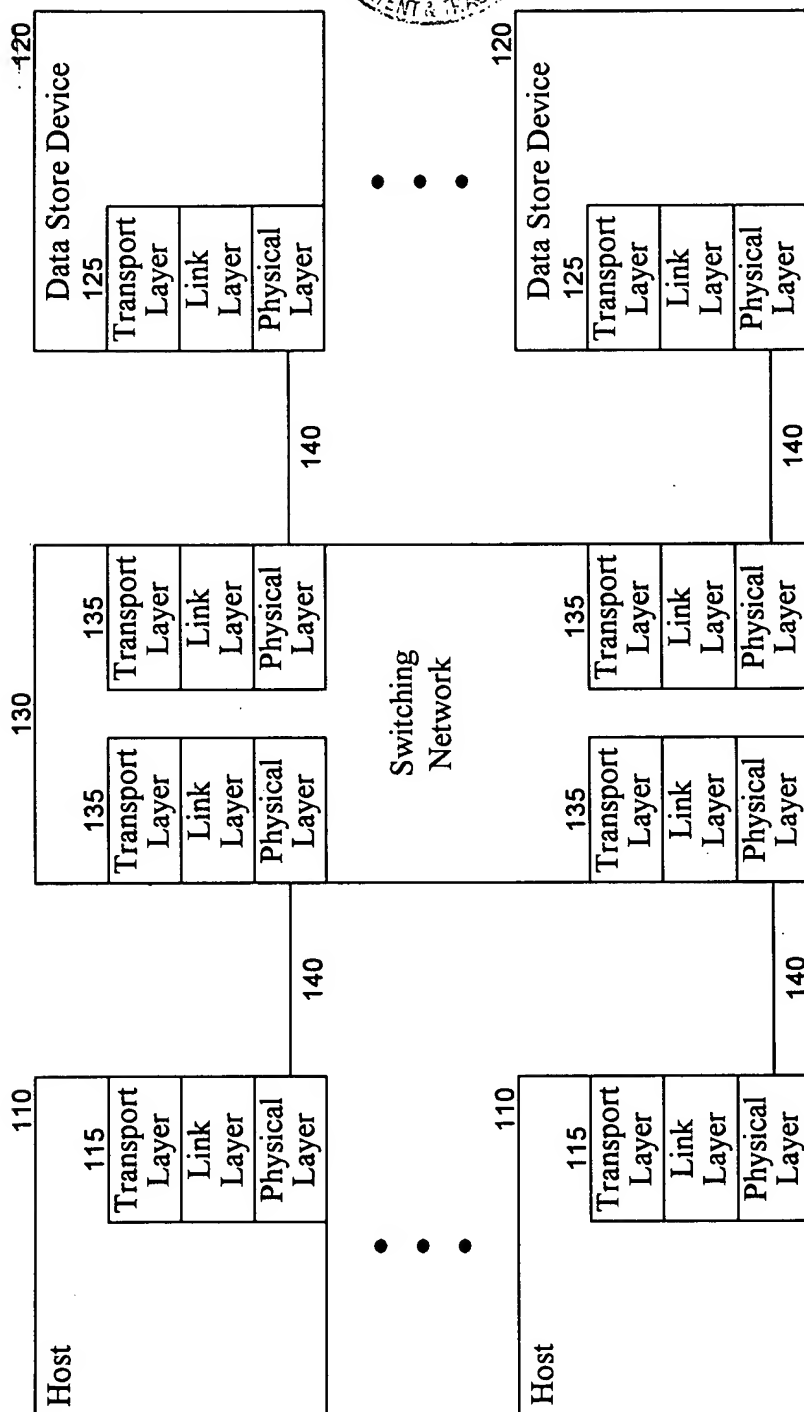


Fig. 1

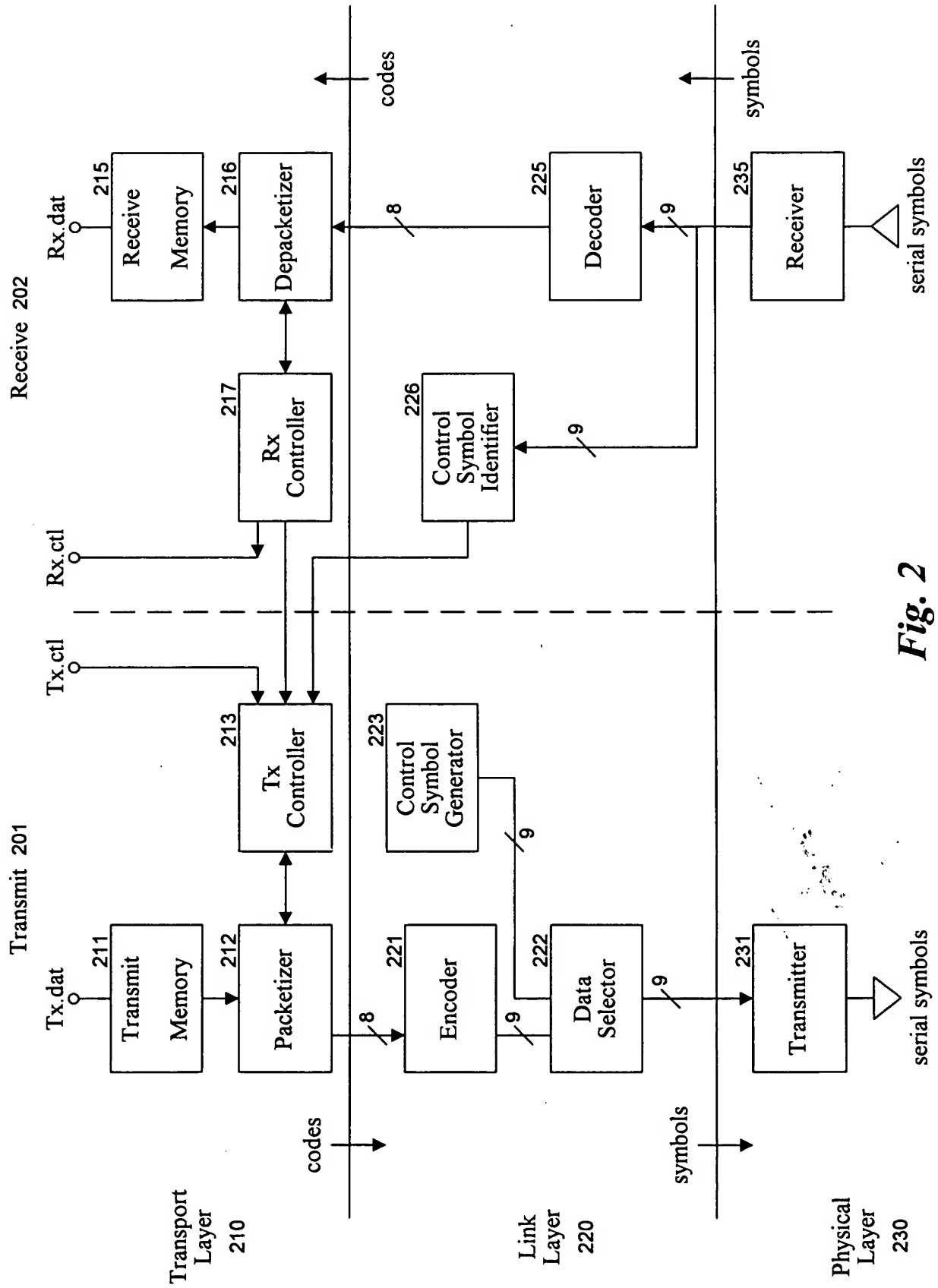


Fig. 2

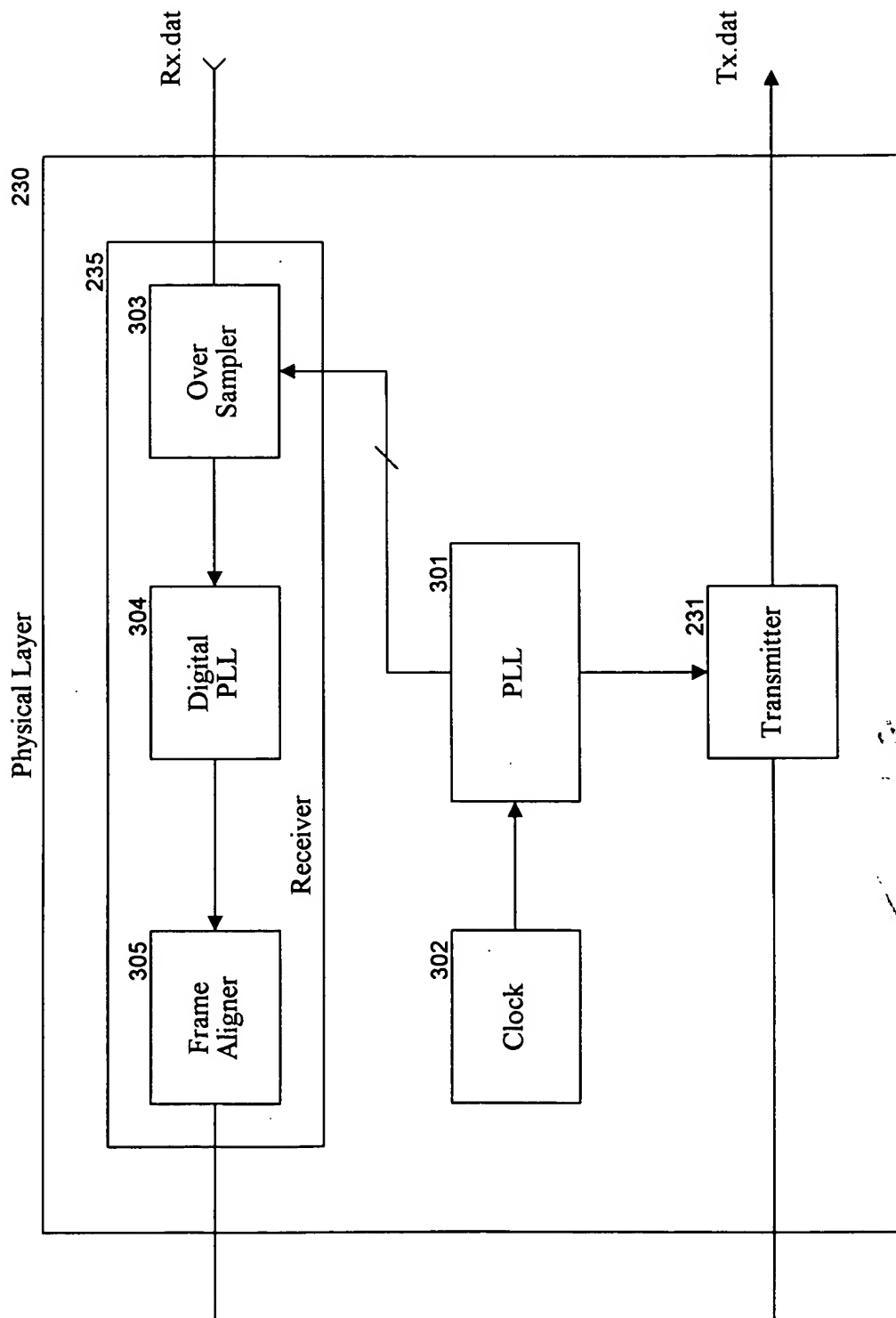
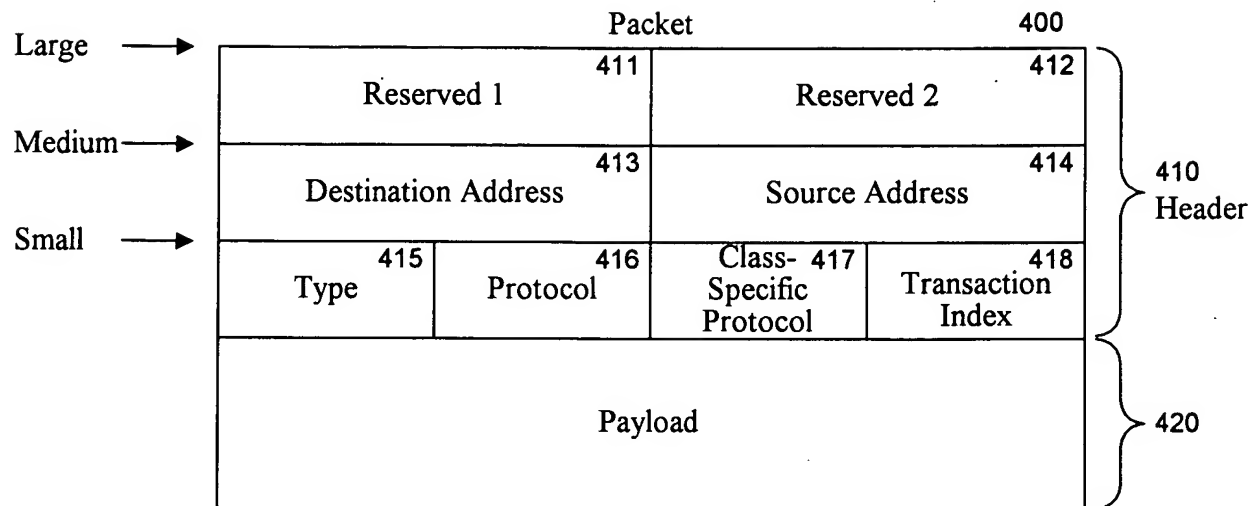


Fig. 3

**Fig. 4**

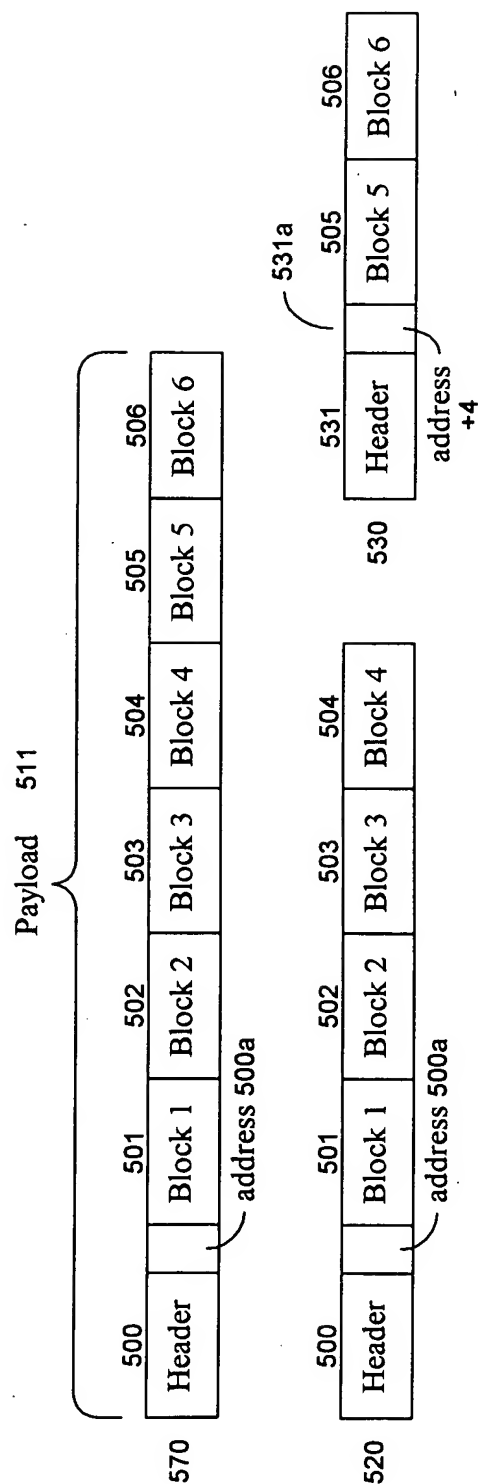


Fig. 5

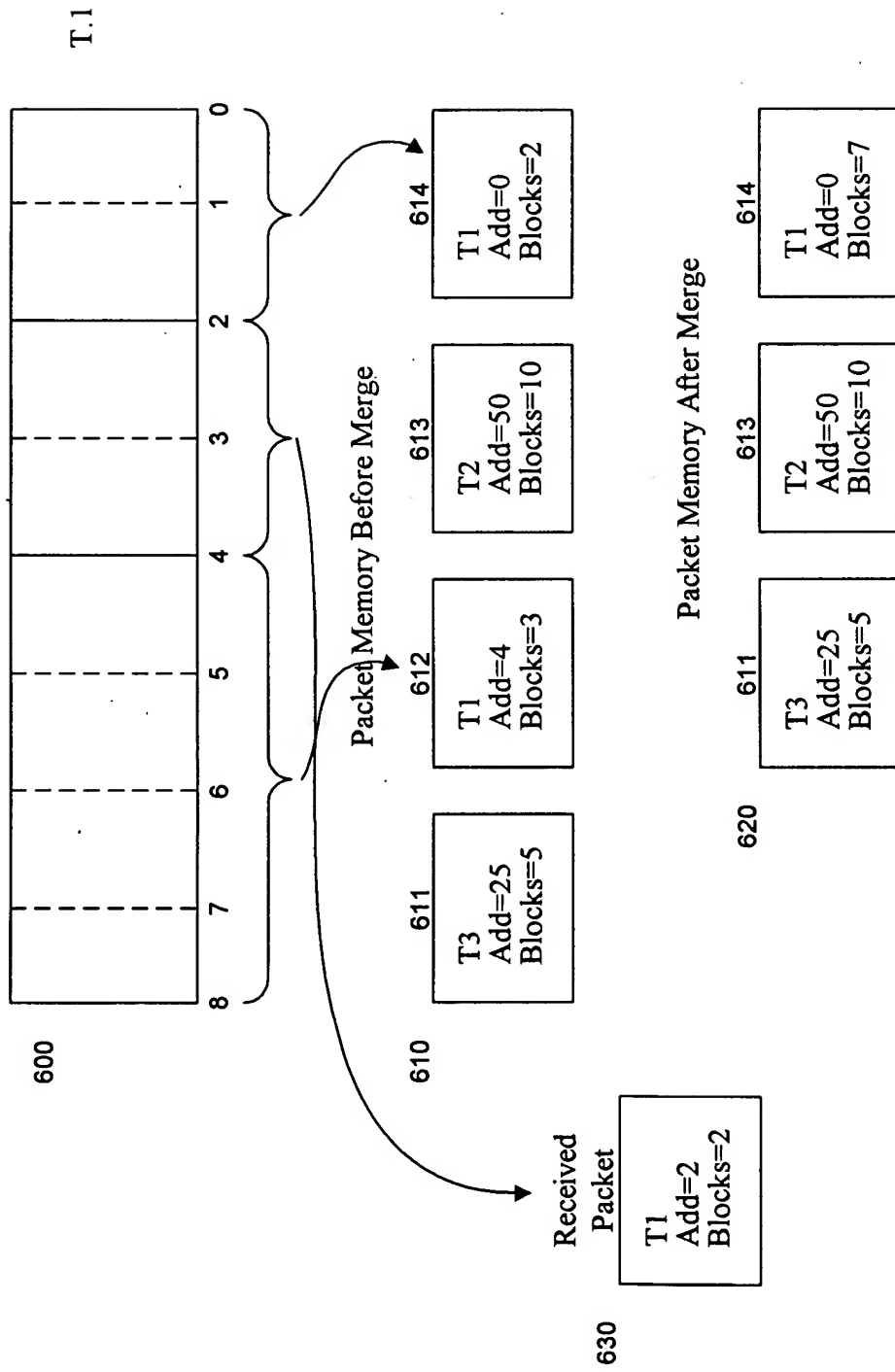
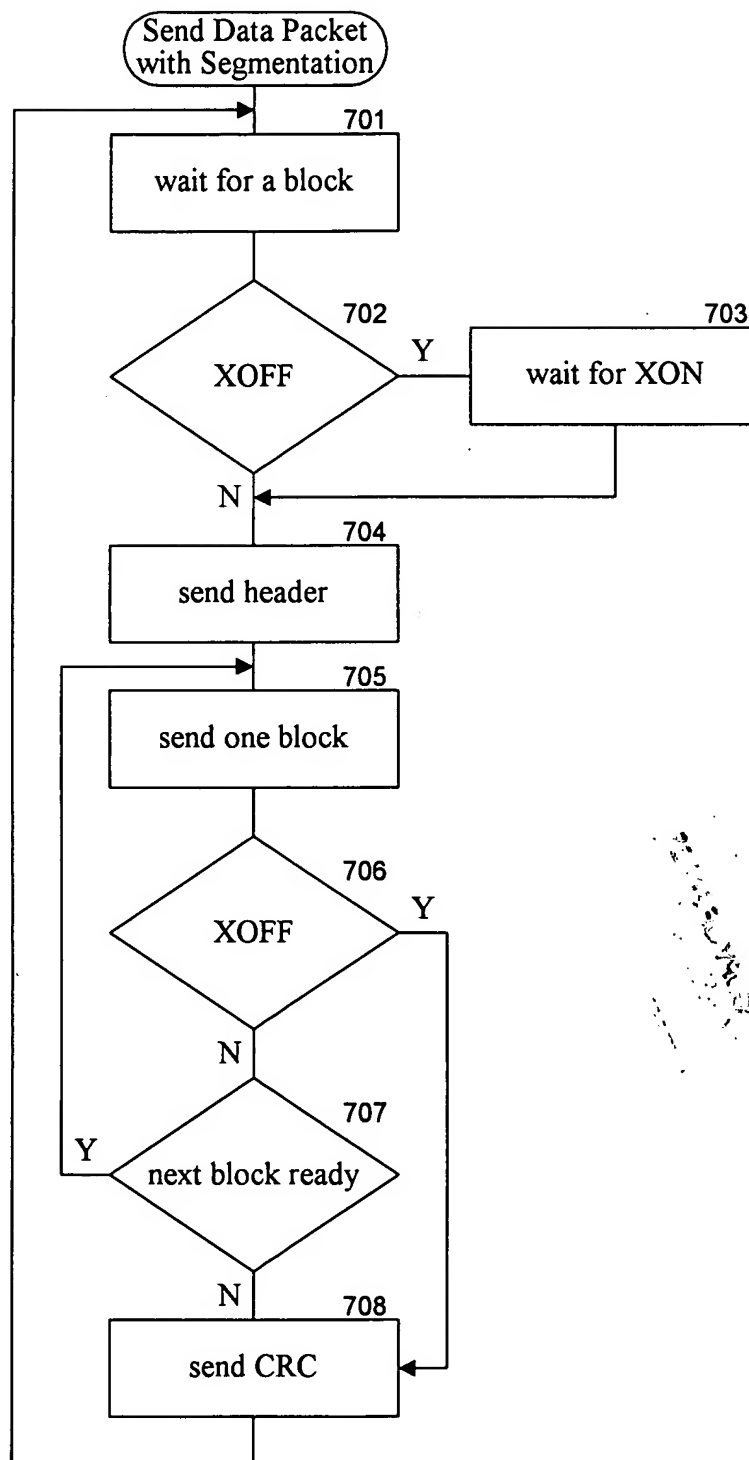
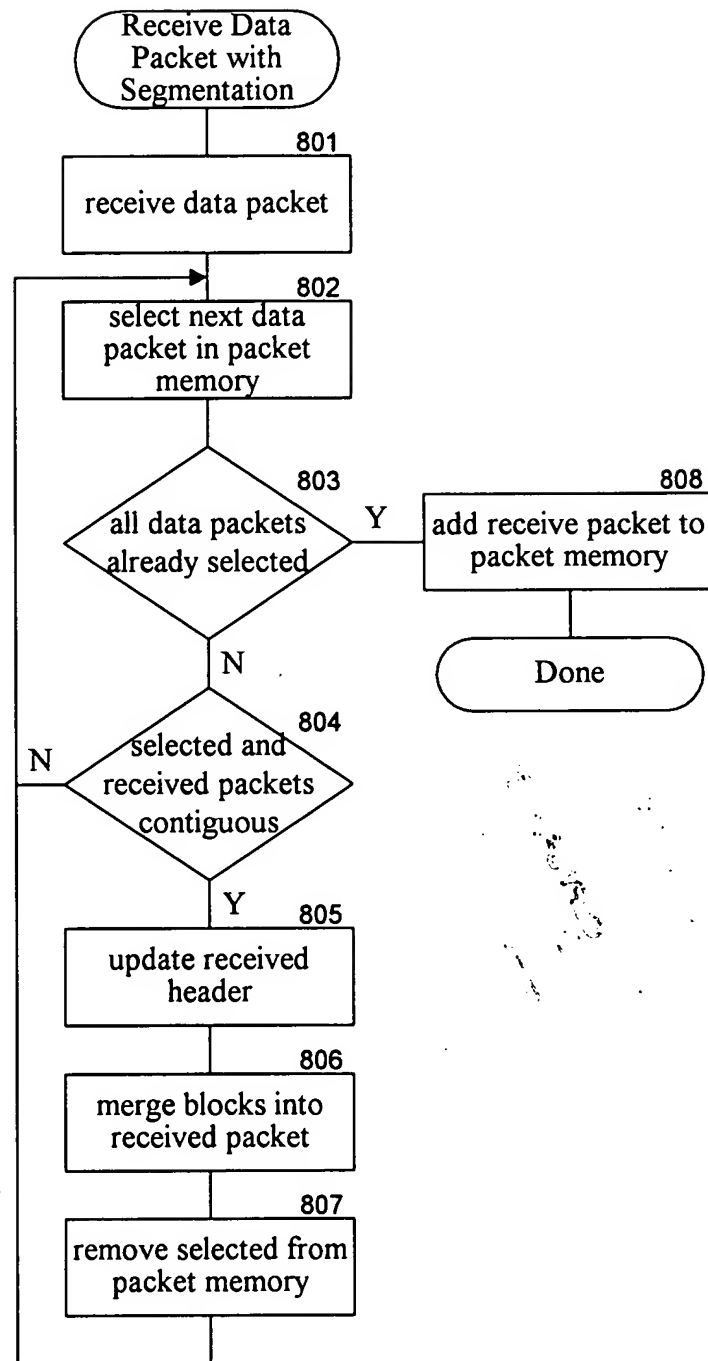
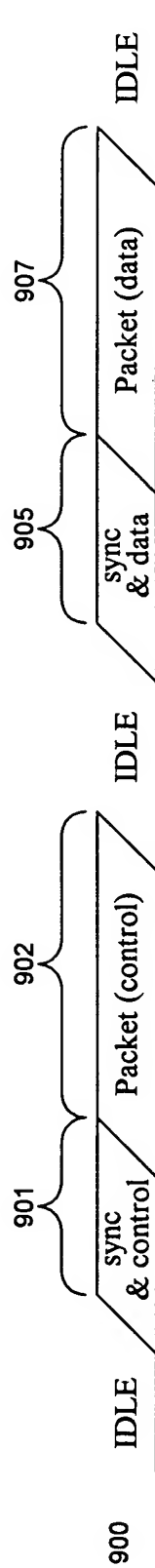


Fig. 6

*Fig. 7*

**Fig. 8**



sync & packet type

Fig. 9A

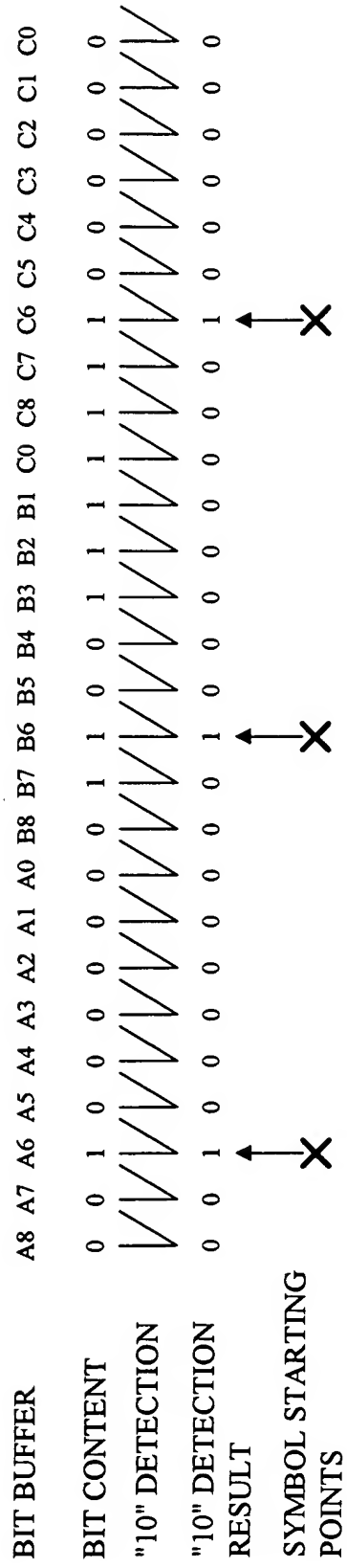


Fig. 9B

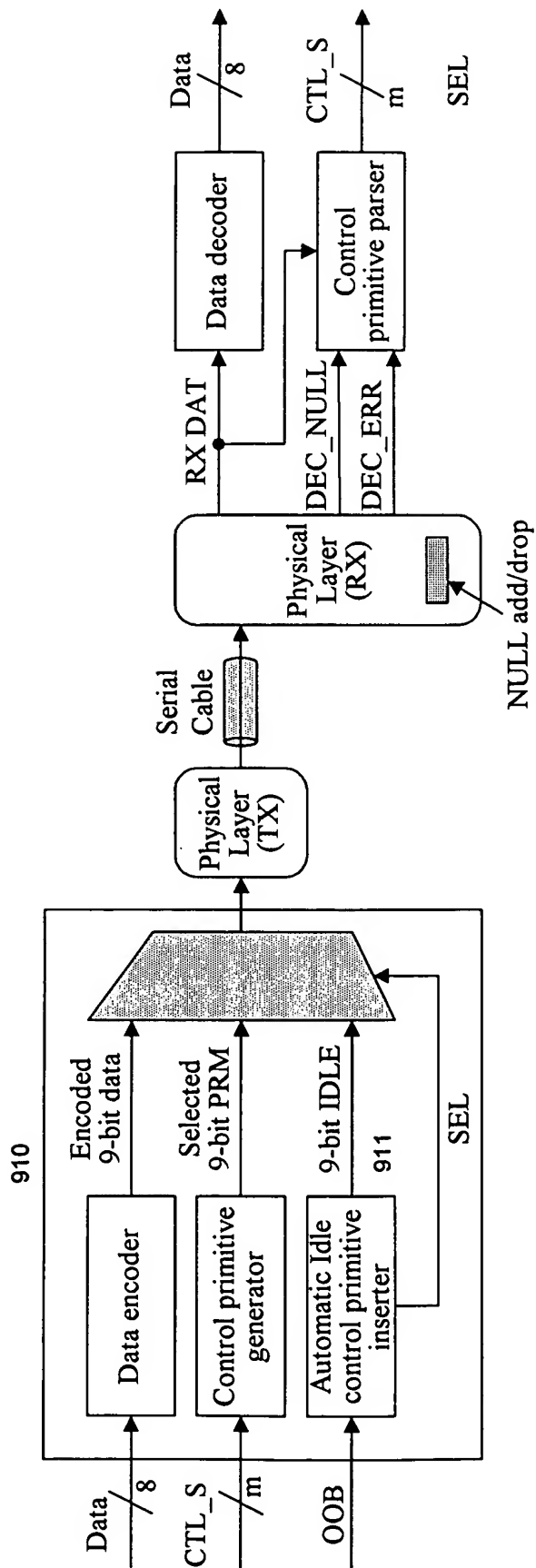


Fig. 9C

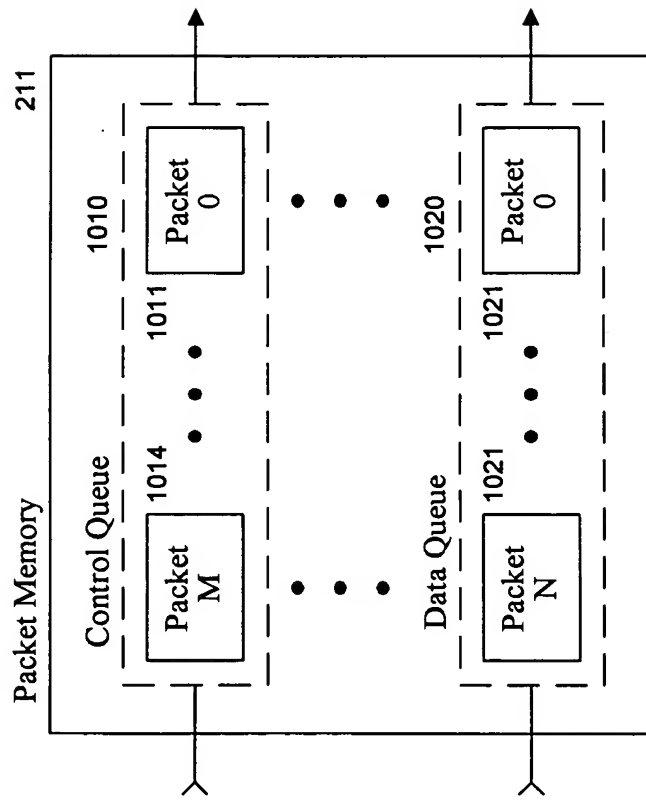


Fig. 10

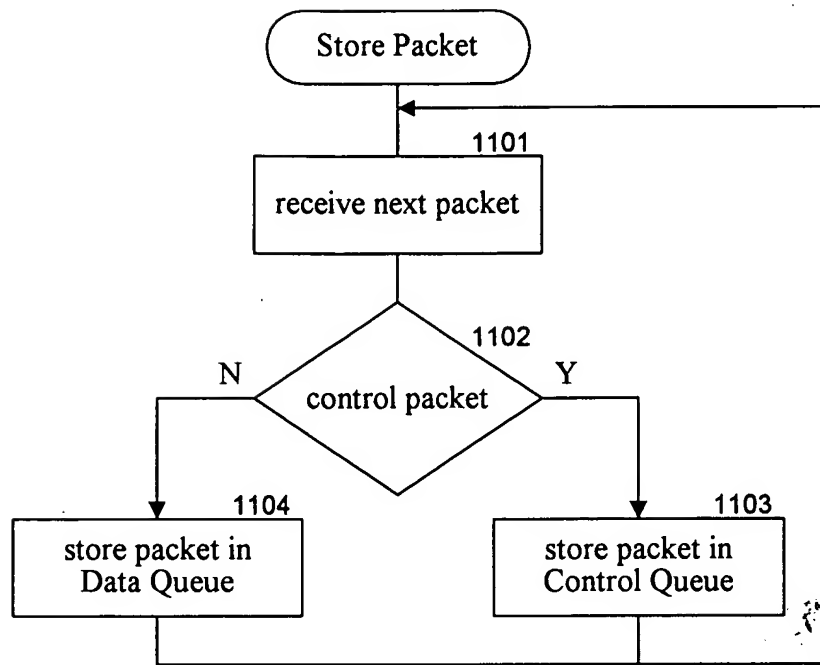


Fig. 11

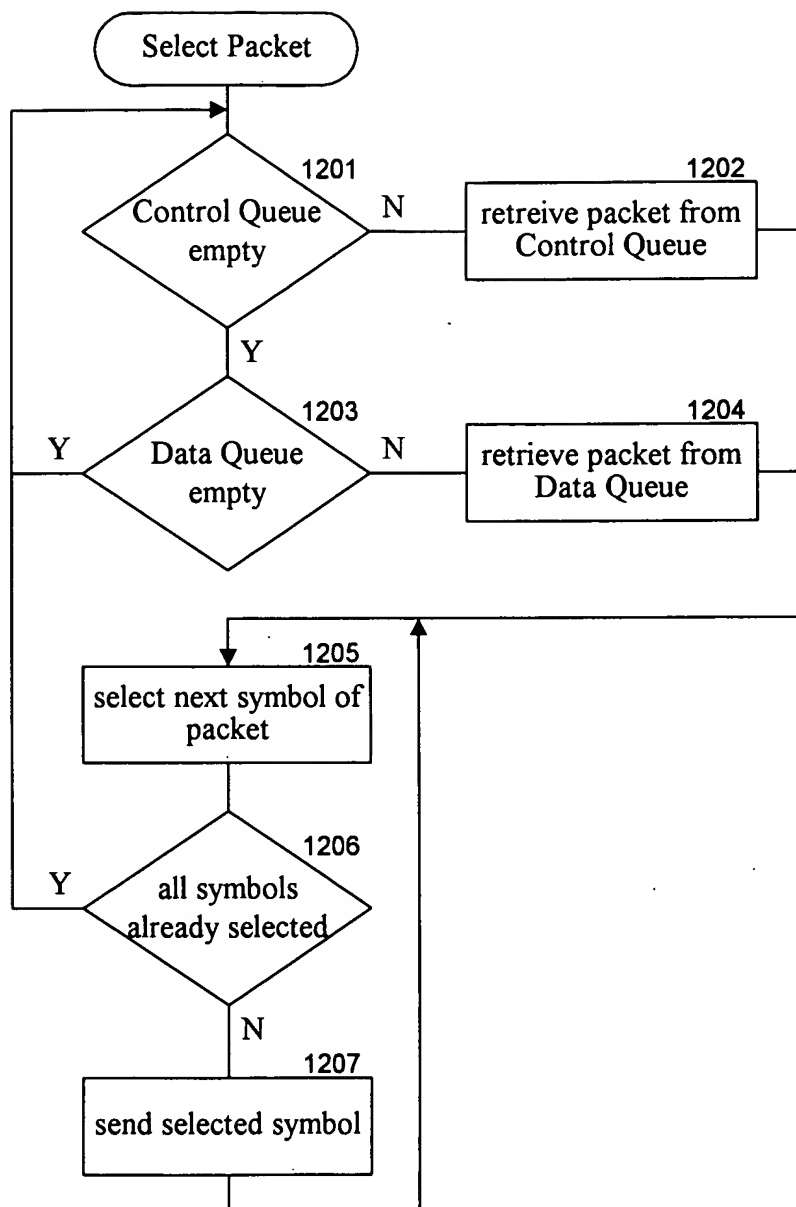


Fig. 12

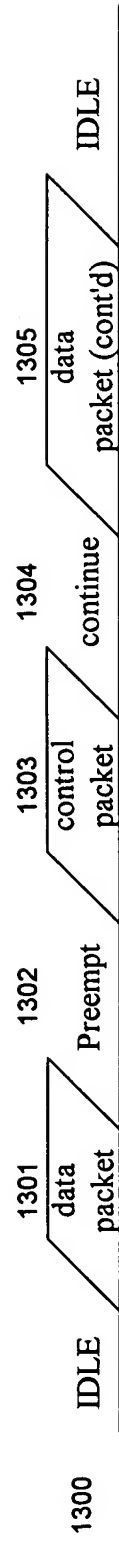
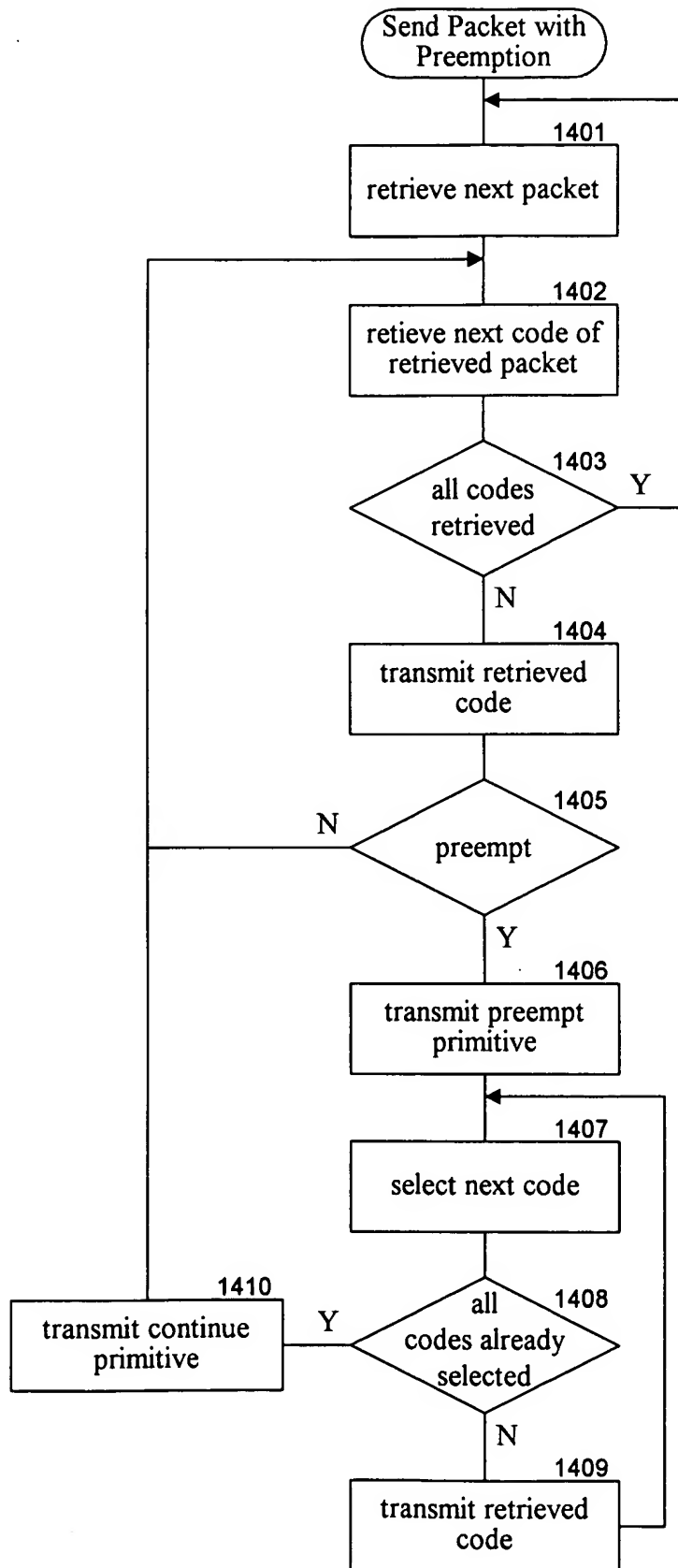


Fig. 13

RECEIVED

**Fig. 14**

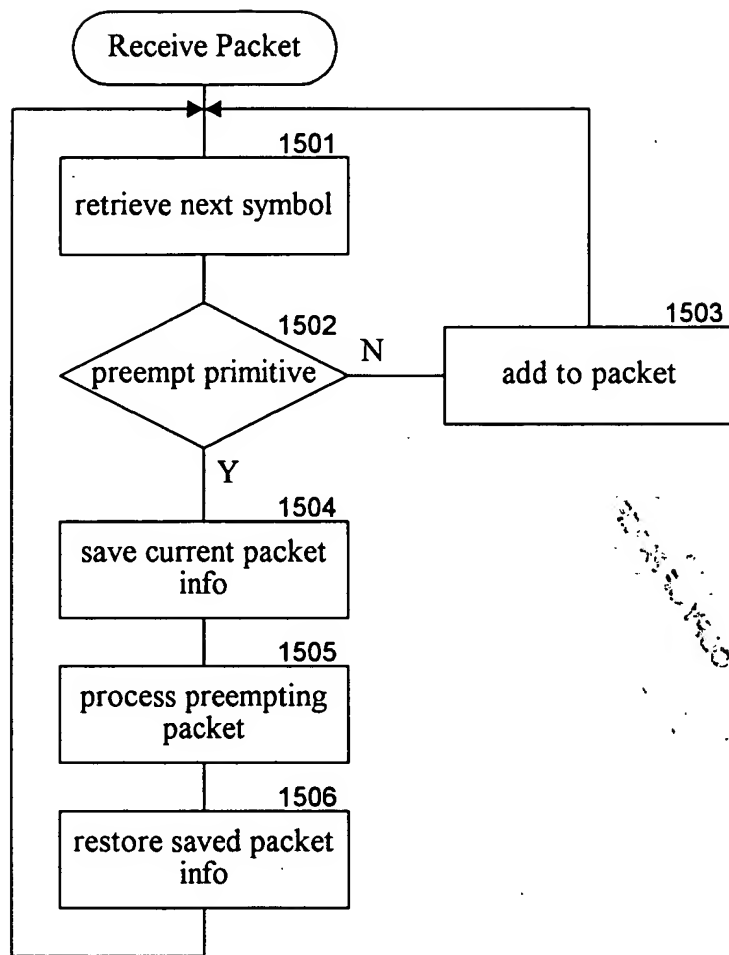


Fig. 15

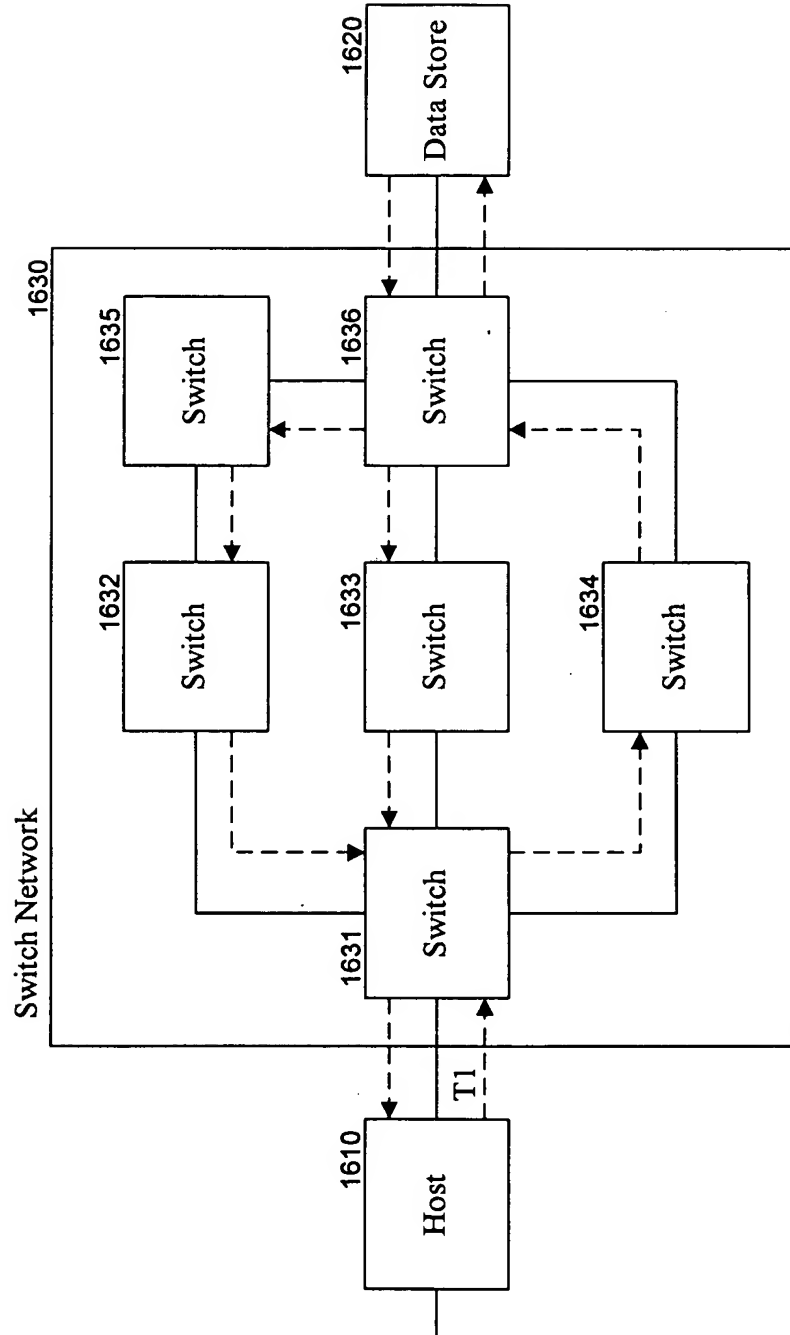


Fig. 16

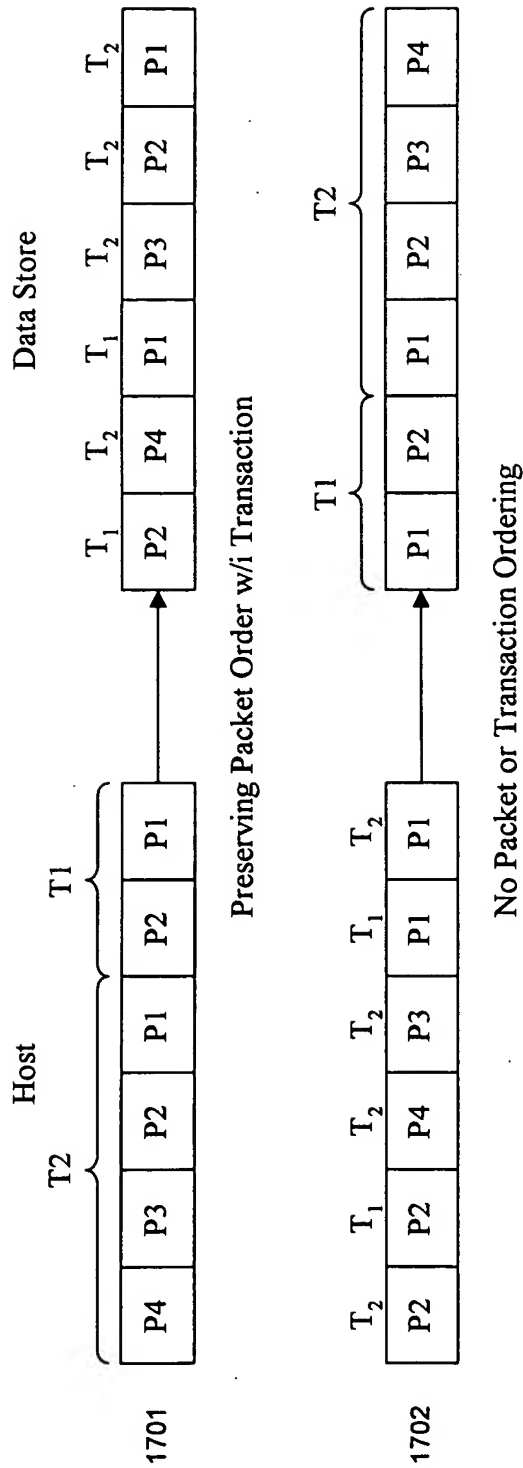


Fig. 17

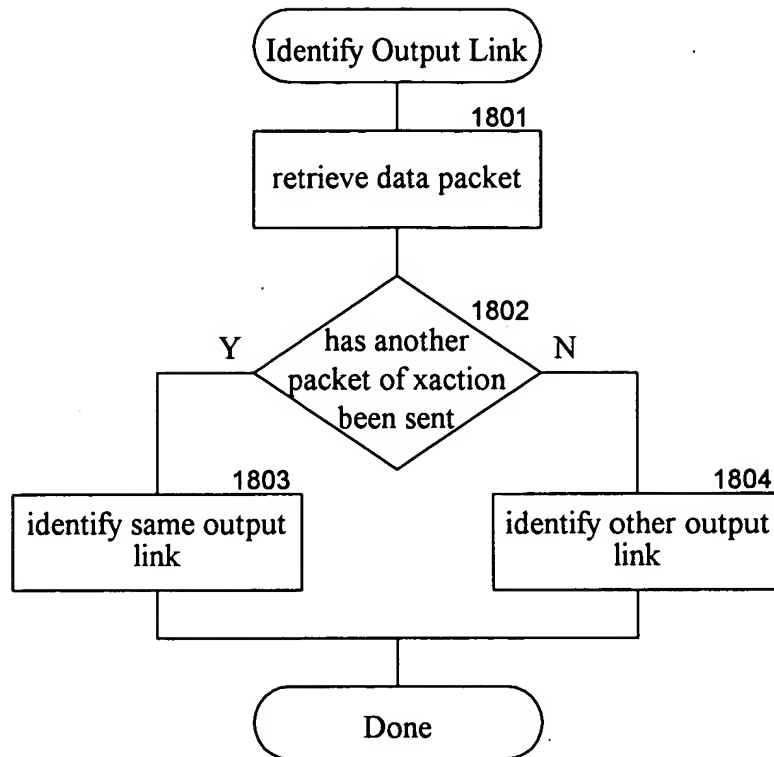


Fig. 18

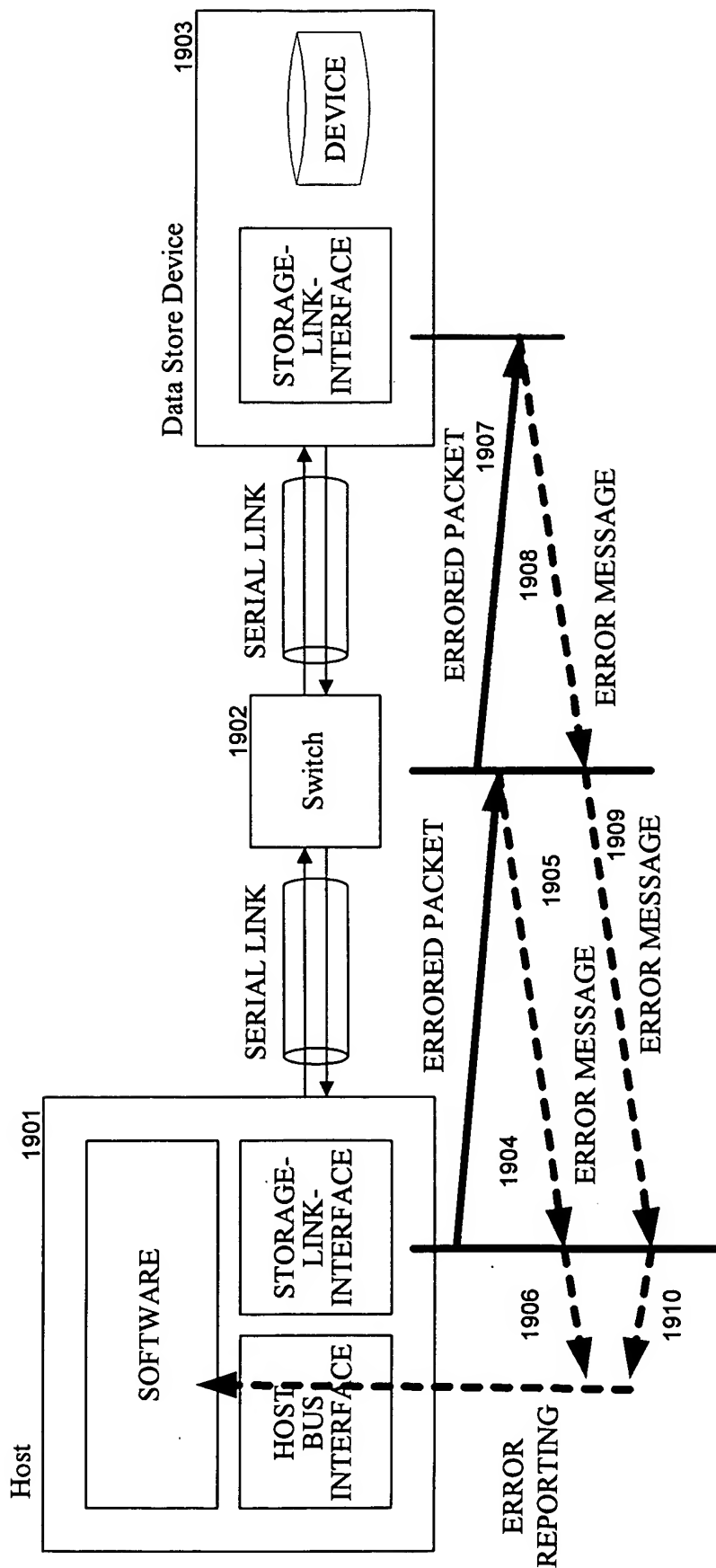


Fig. 19A

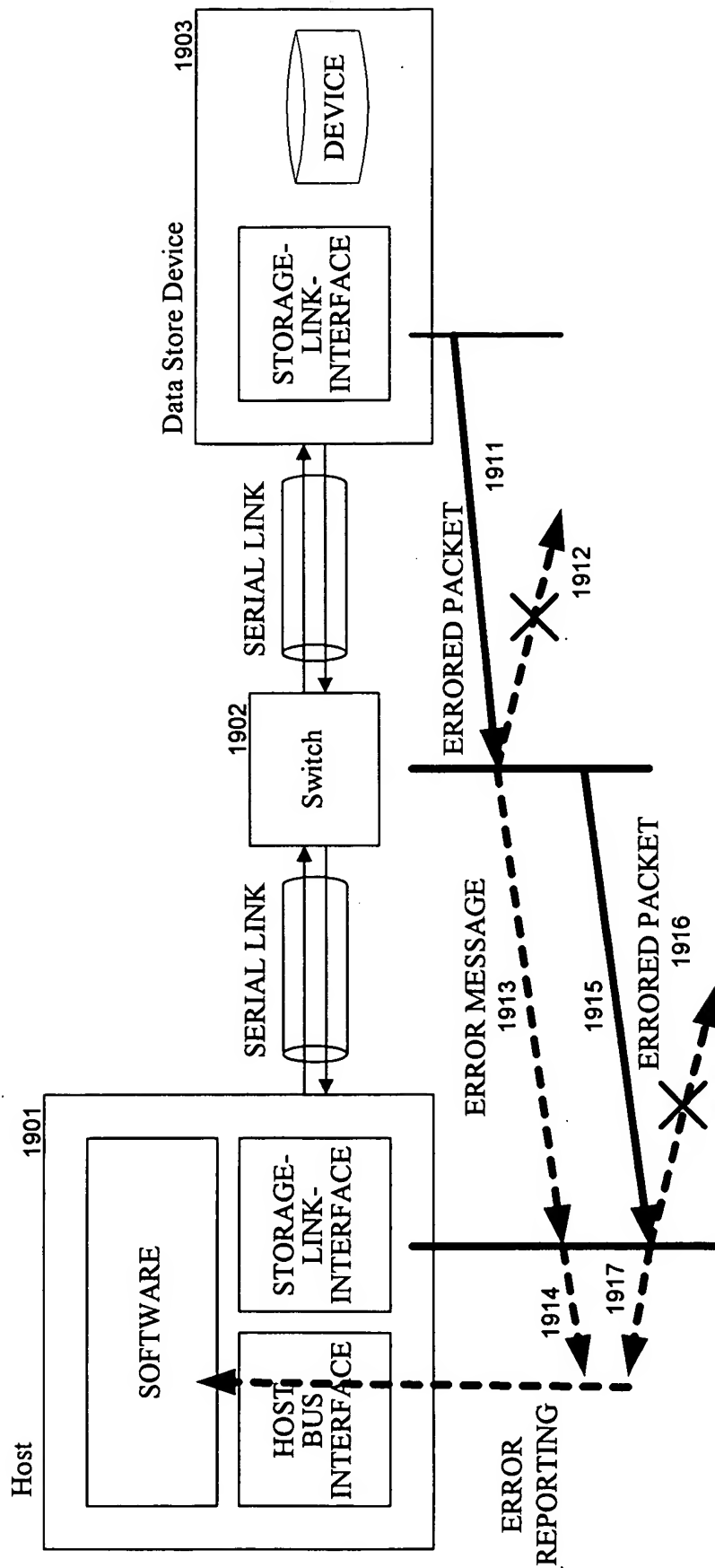


Fig. 19B

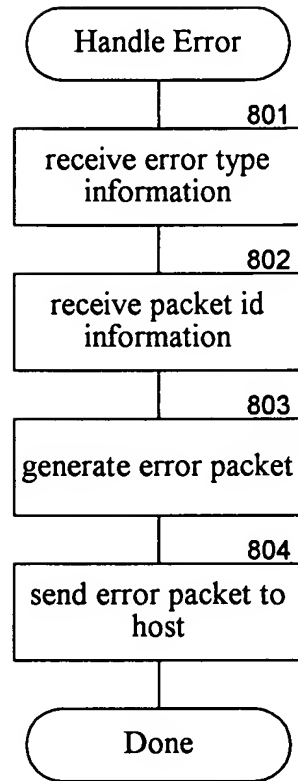


Fig. 19C

8b code	9 bit symbol
0000 0000	101010101
0000 0001	101010100
0000 0010	101010111
⋮	
0101 0101	001010101
⋮	
0111 0110	001110110
0111 0111	100100010
⋮	
1111 1111	110101010

Fig. 20

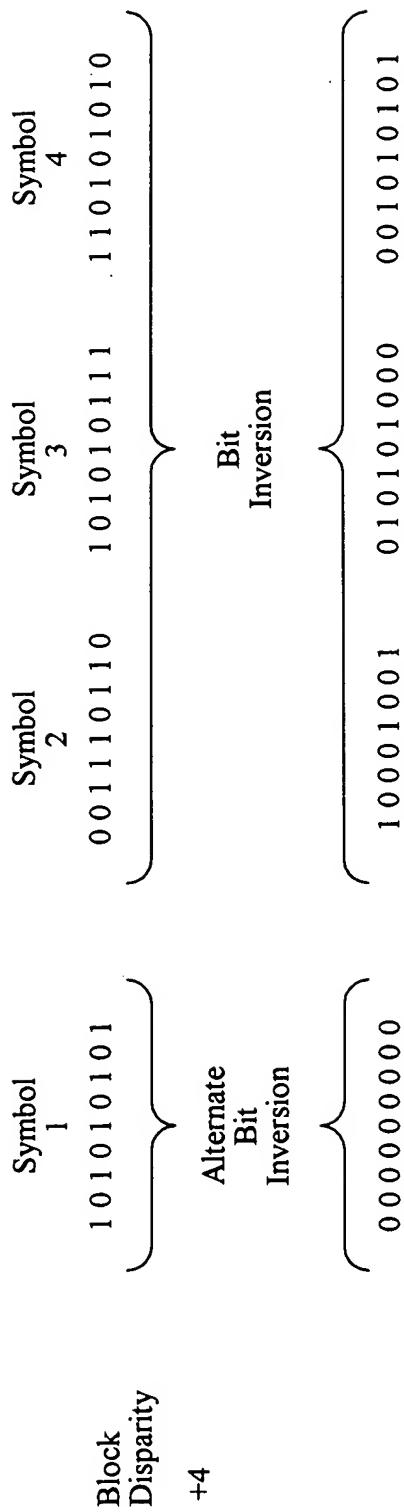


Fig. 21A

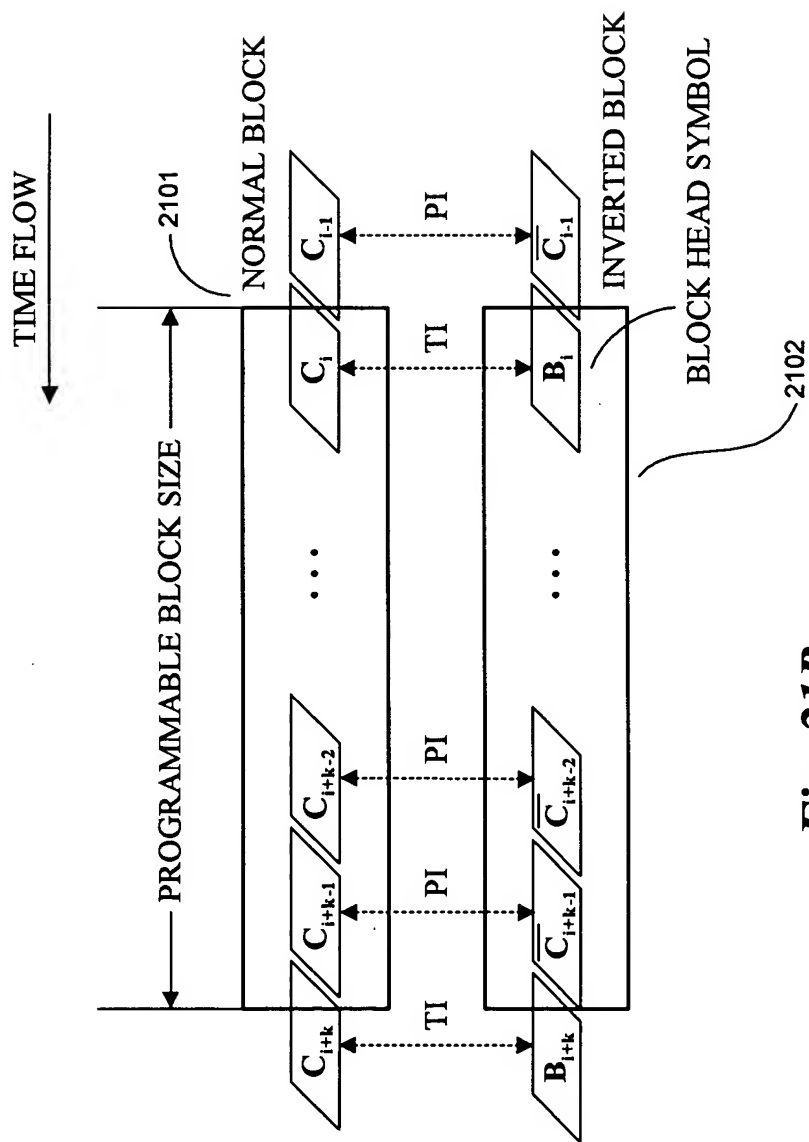


Fig. 21B

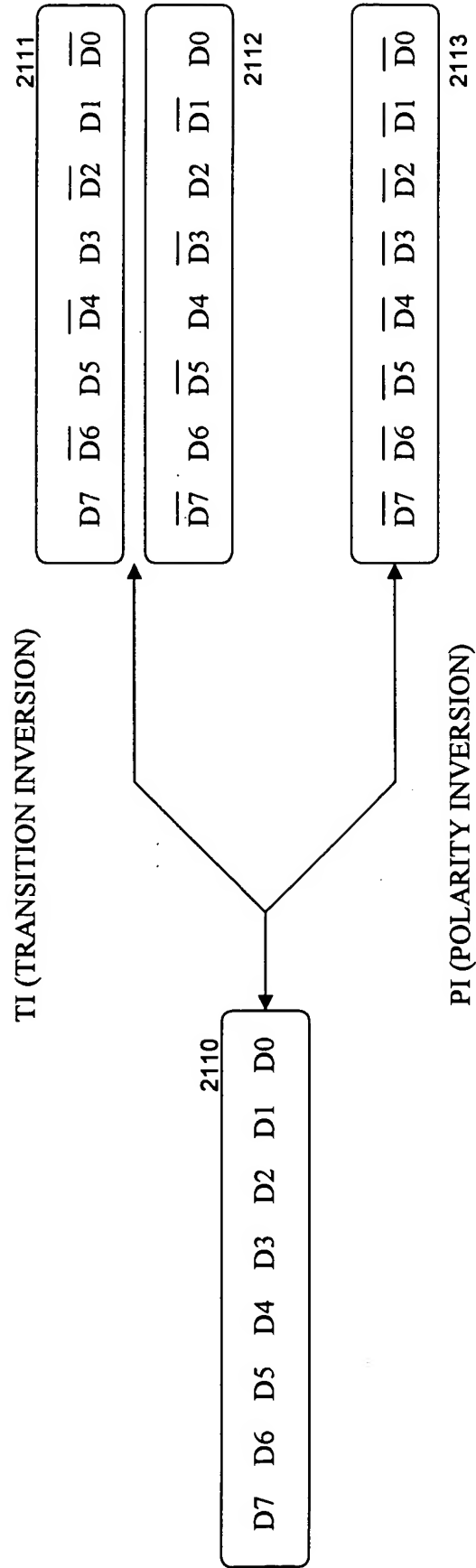


Fig. 21C

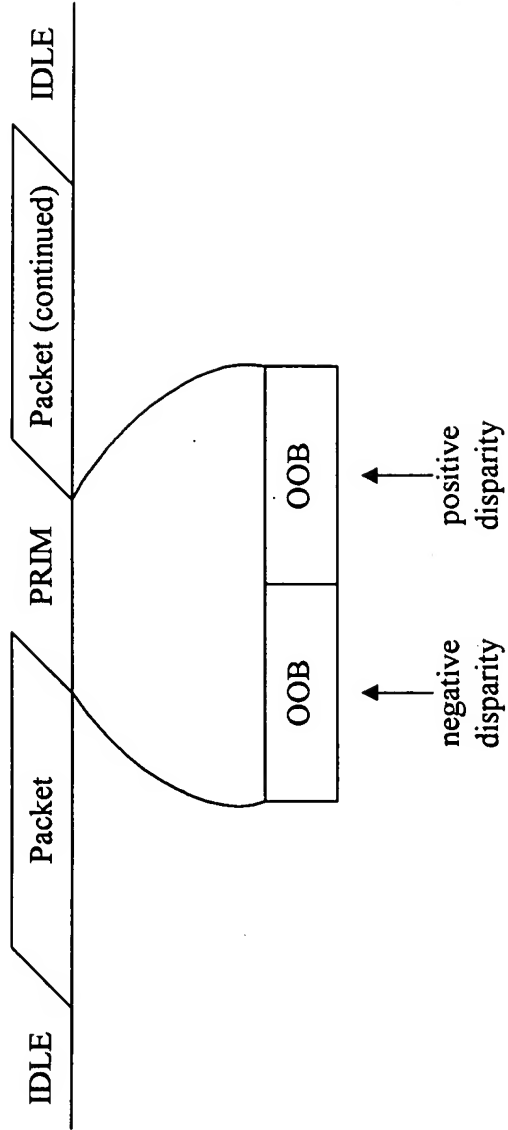
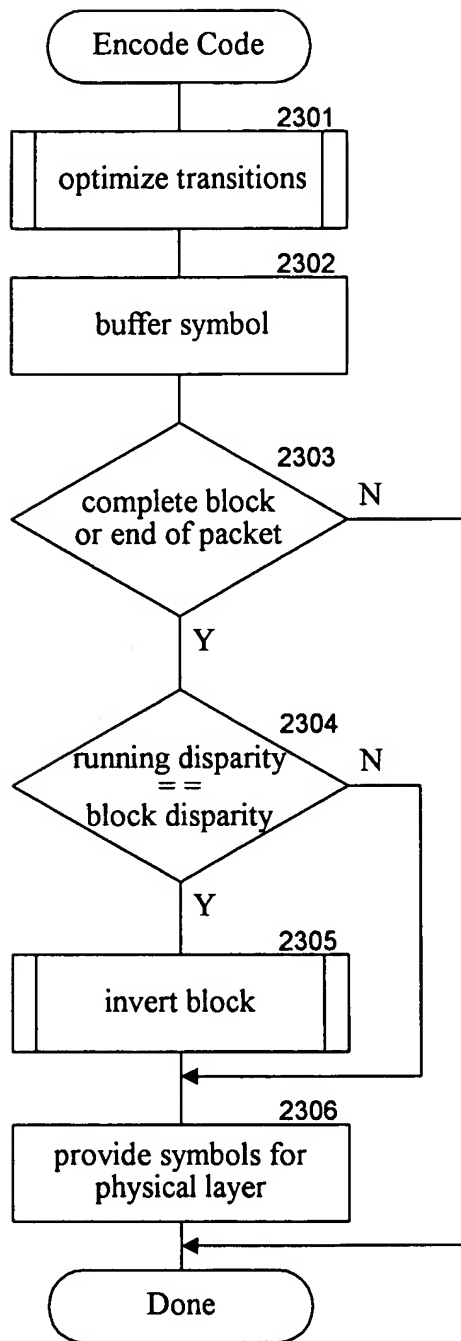
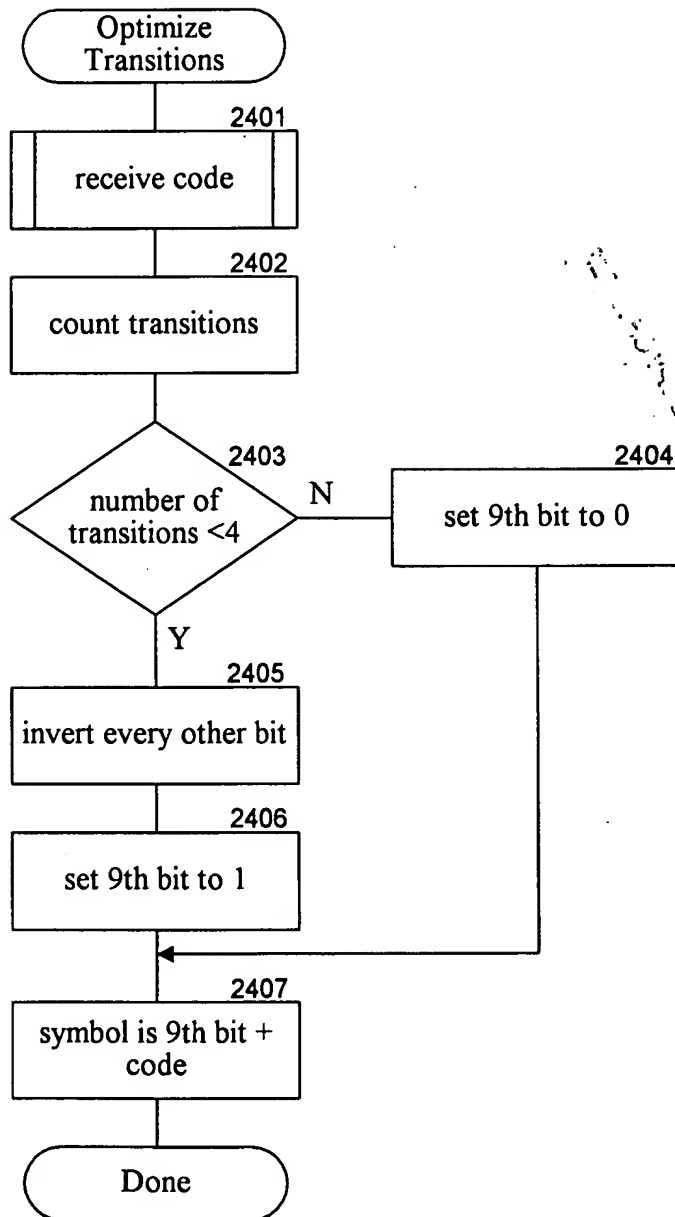


Fig. 22

*Fig. 23*

**Fig. 24**

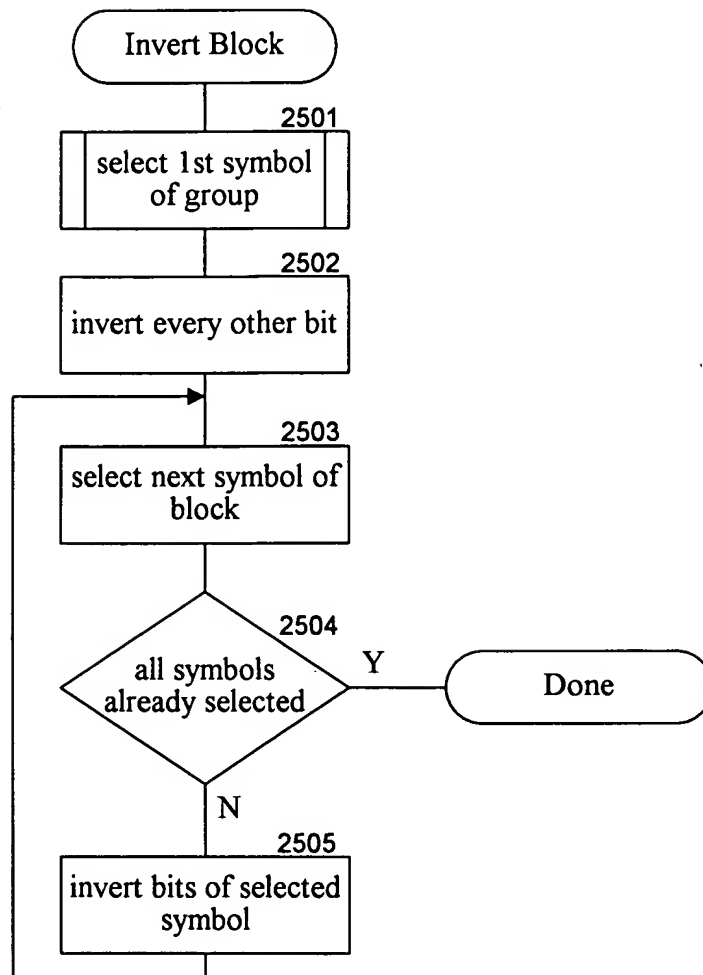
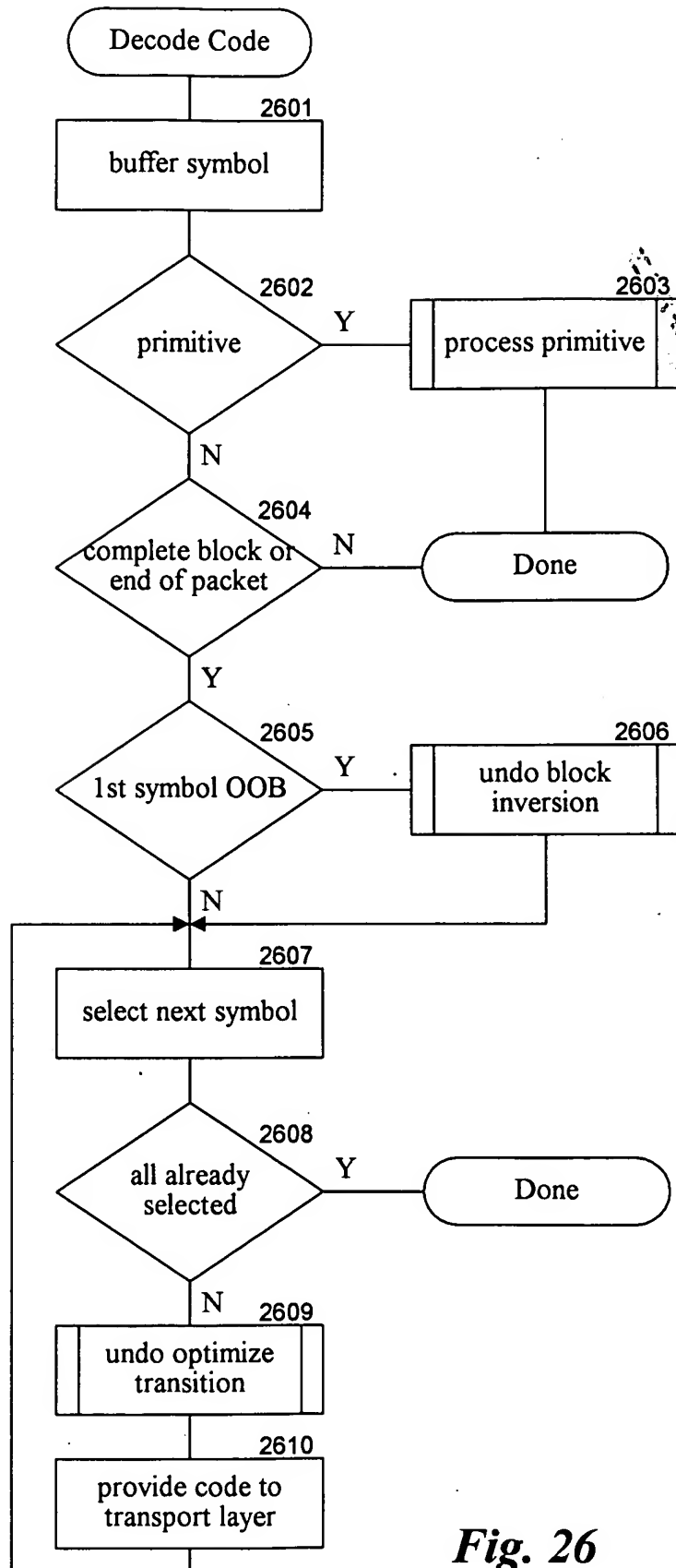


Fig. 25

*Fig. 26*

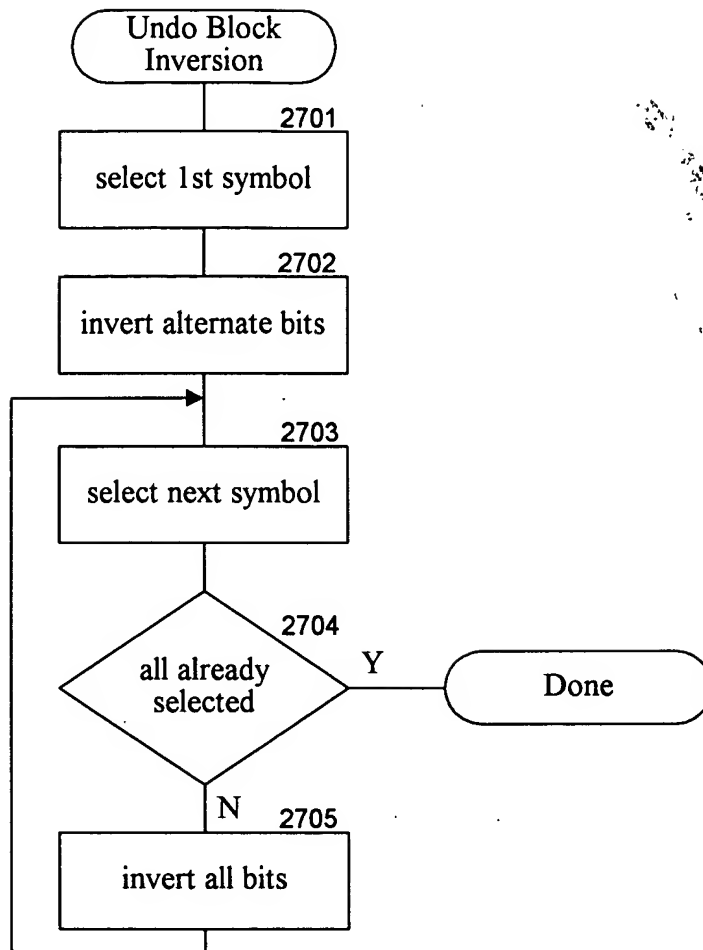


Fig. 27

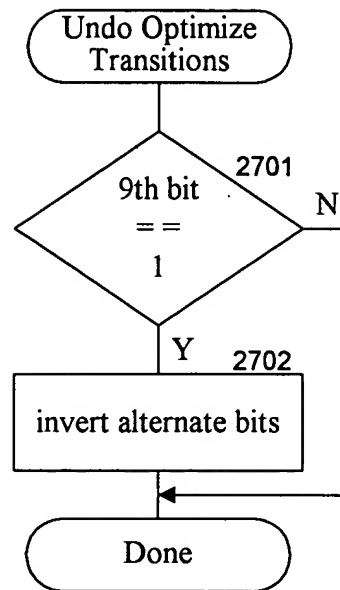
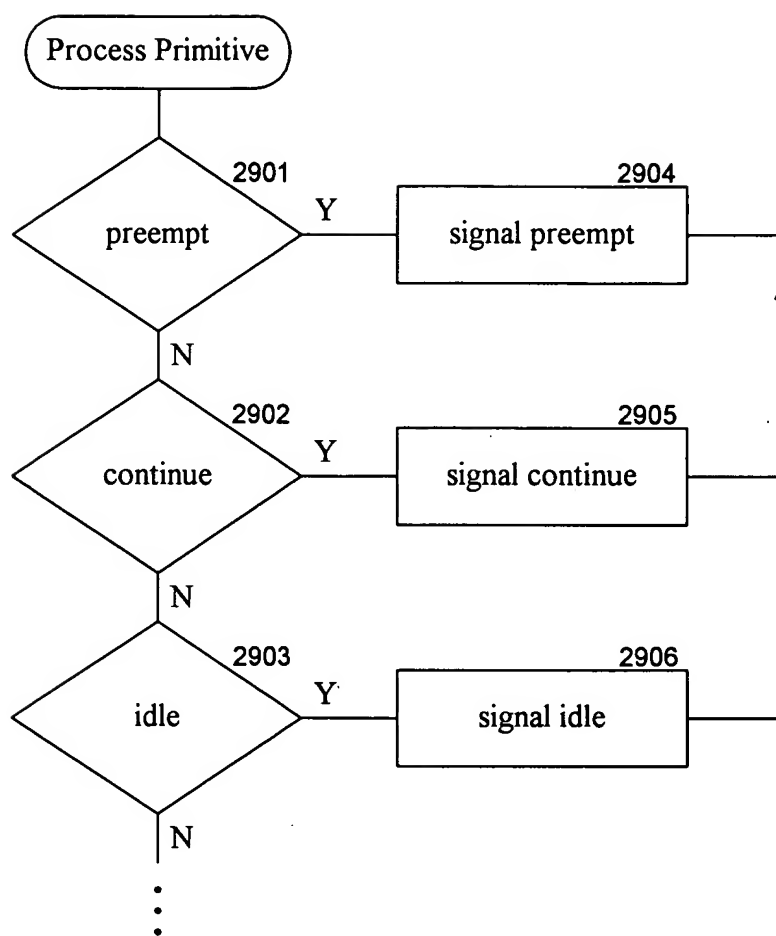


Fig. 28

**Fig. 29**

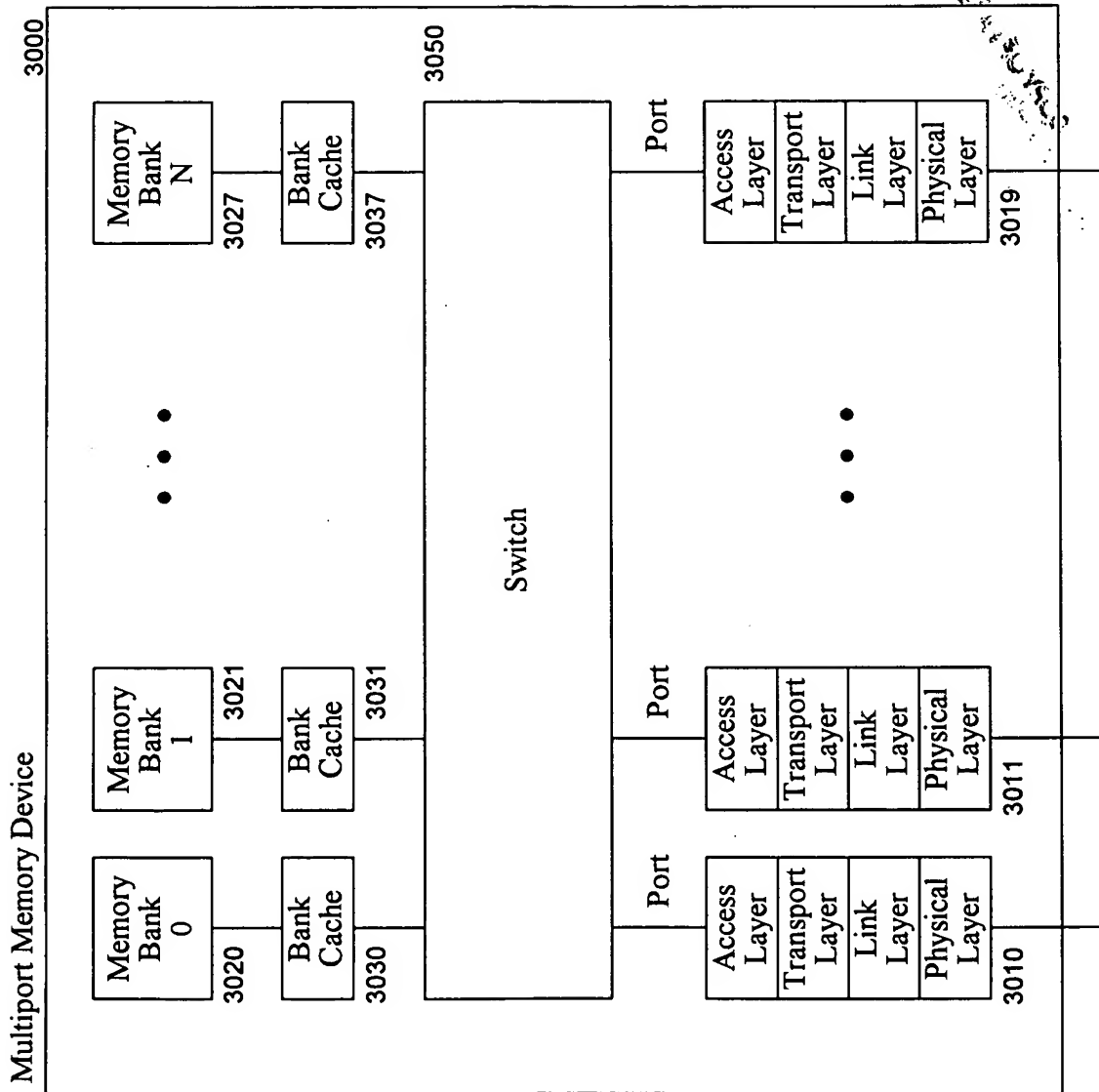


Fig. 30

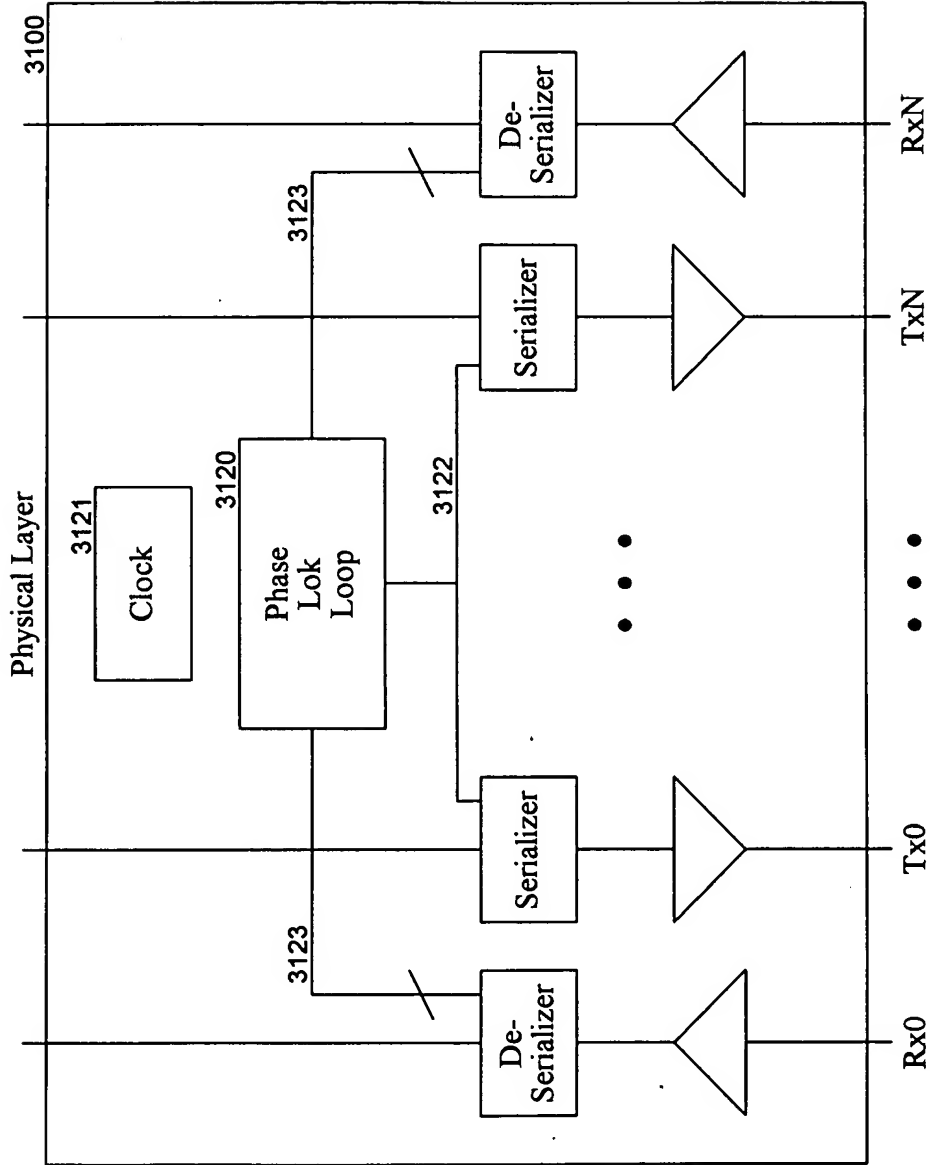


Fig. 31

Input Queue 3201				Output Queue 3202		
Port	R/W	Address	Data	Valid	Port	Data
3	R	1000		1	3	11...0
4	W	4000	10...1	0		
3	W	1000	111...0	0		
3	R	2000		1	3	101...1
	⋮				⋮	

Fig. 32

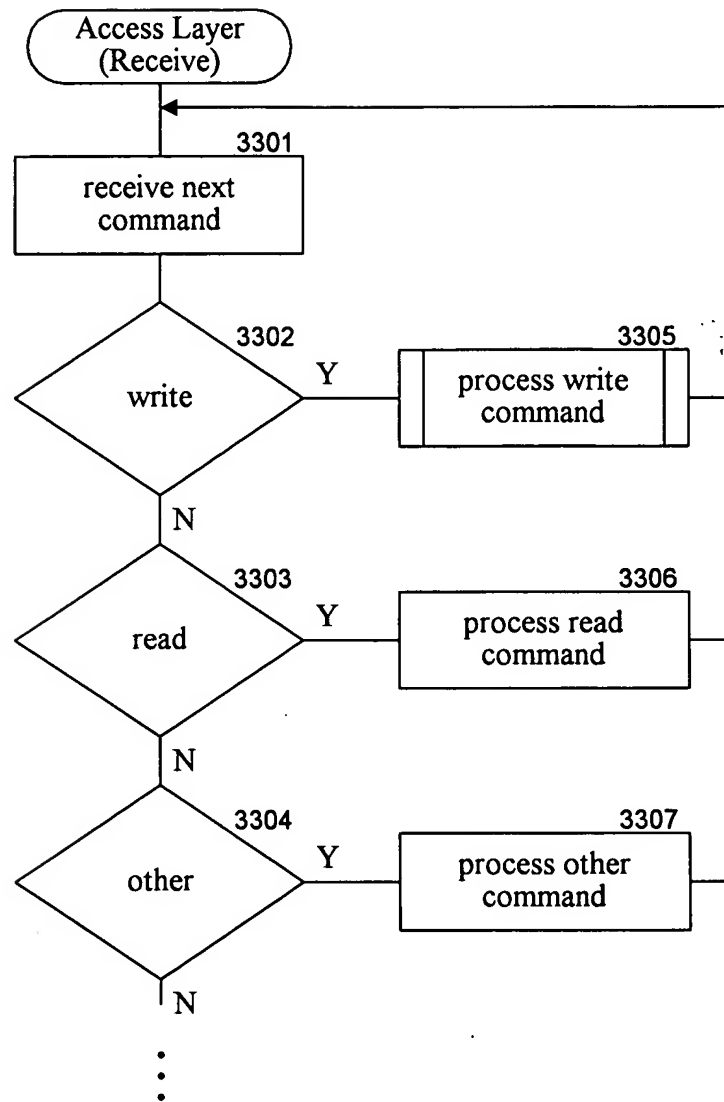
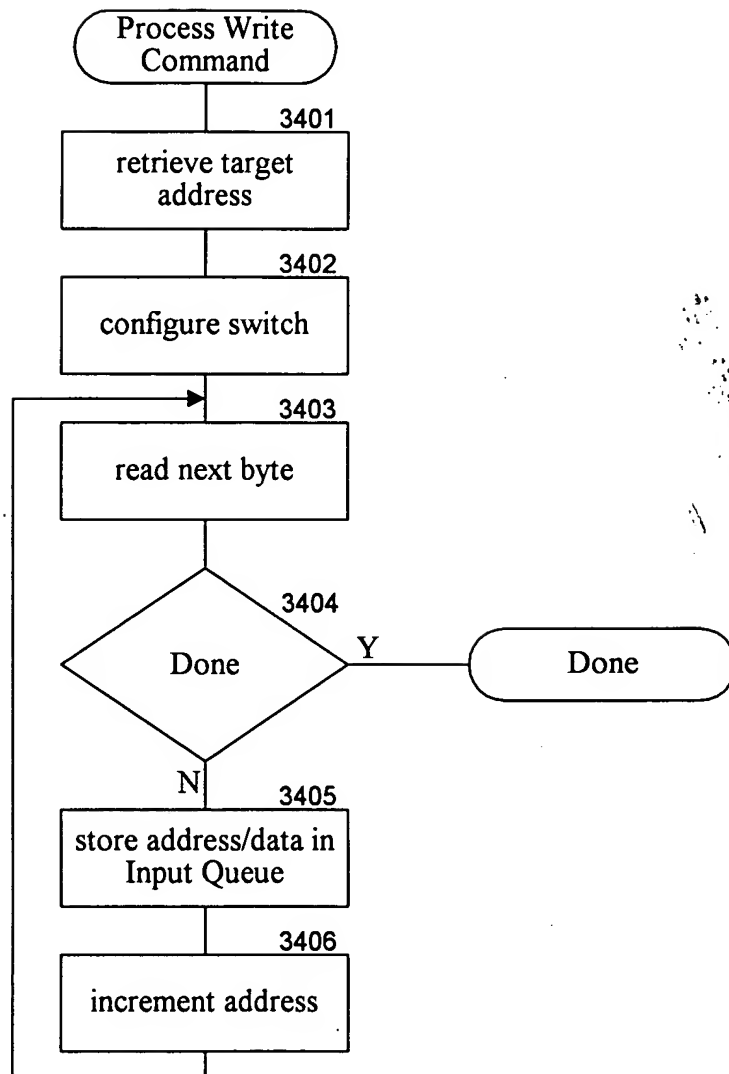
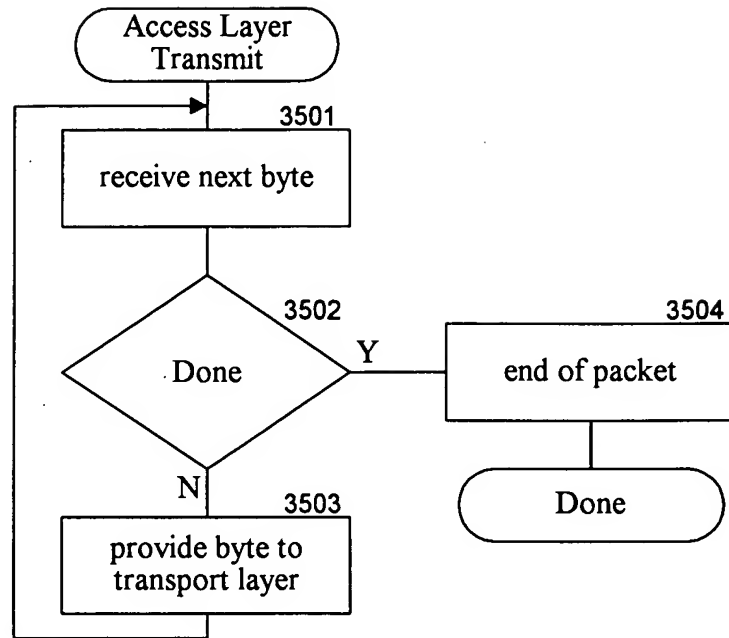


Fig. 33

**Fig. 34**

*Fig. 35*

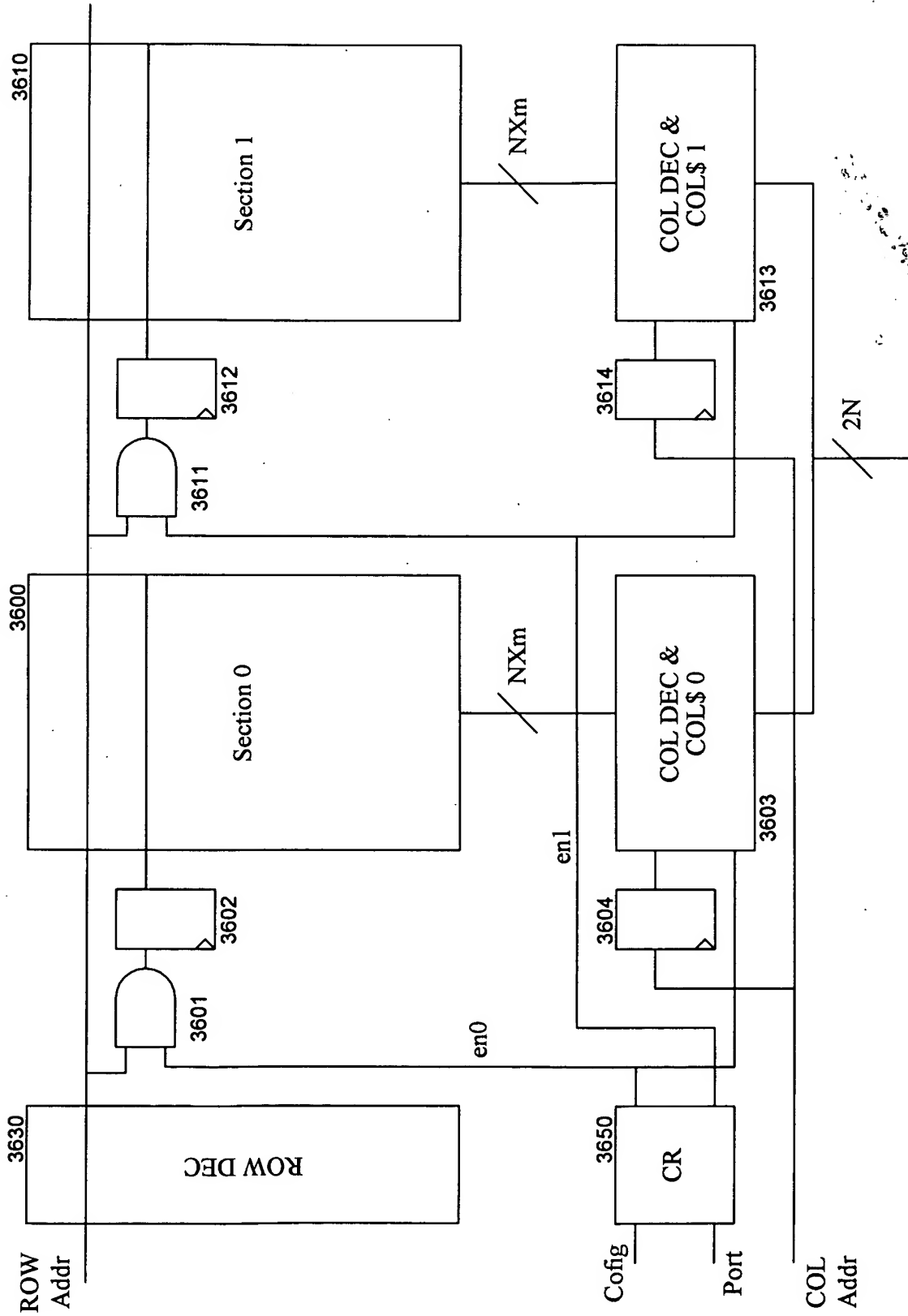


Fig. 36

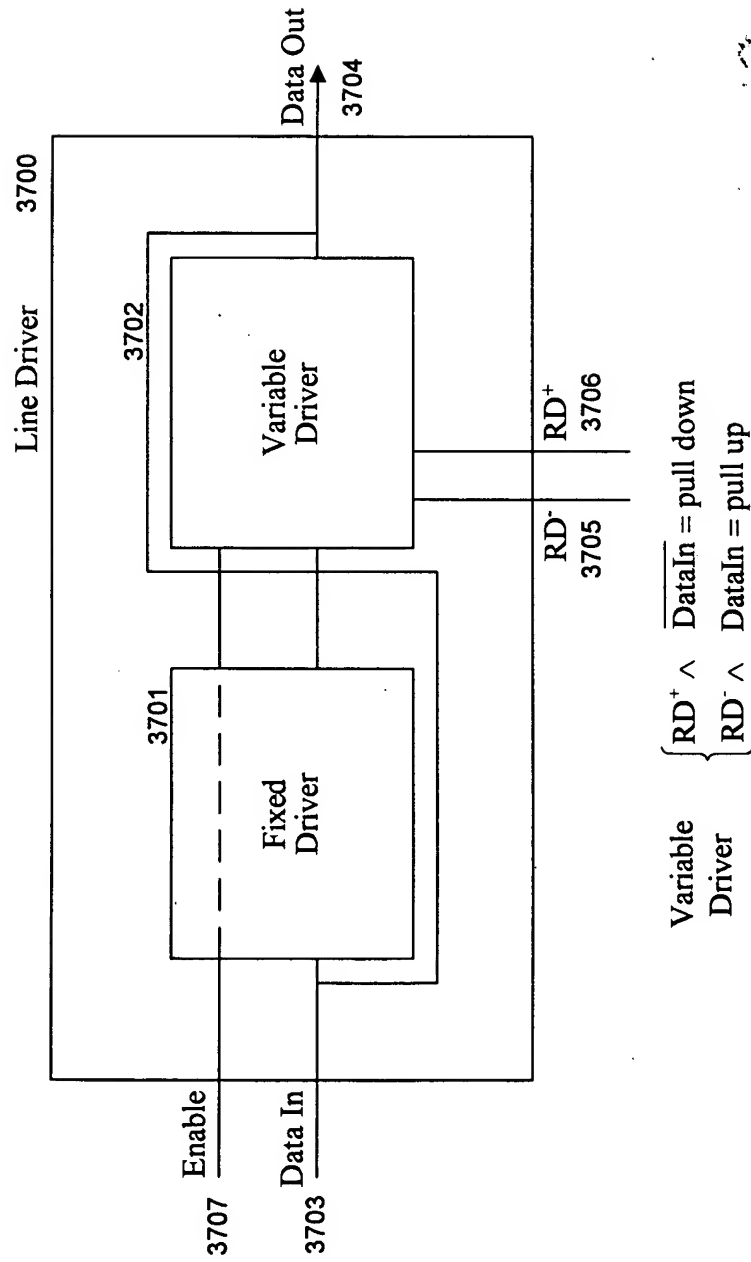


Fig. 37A

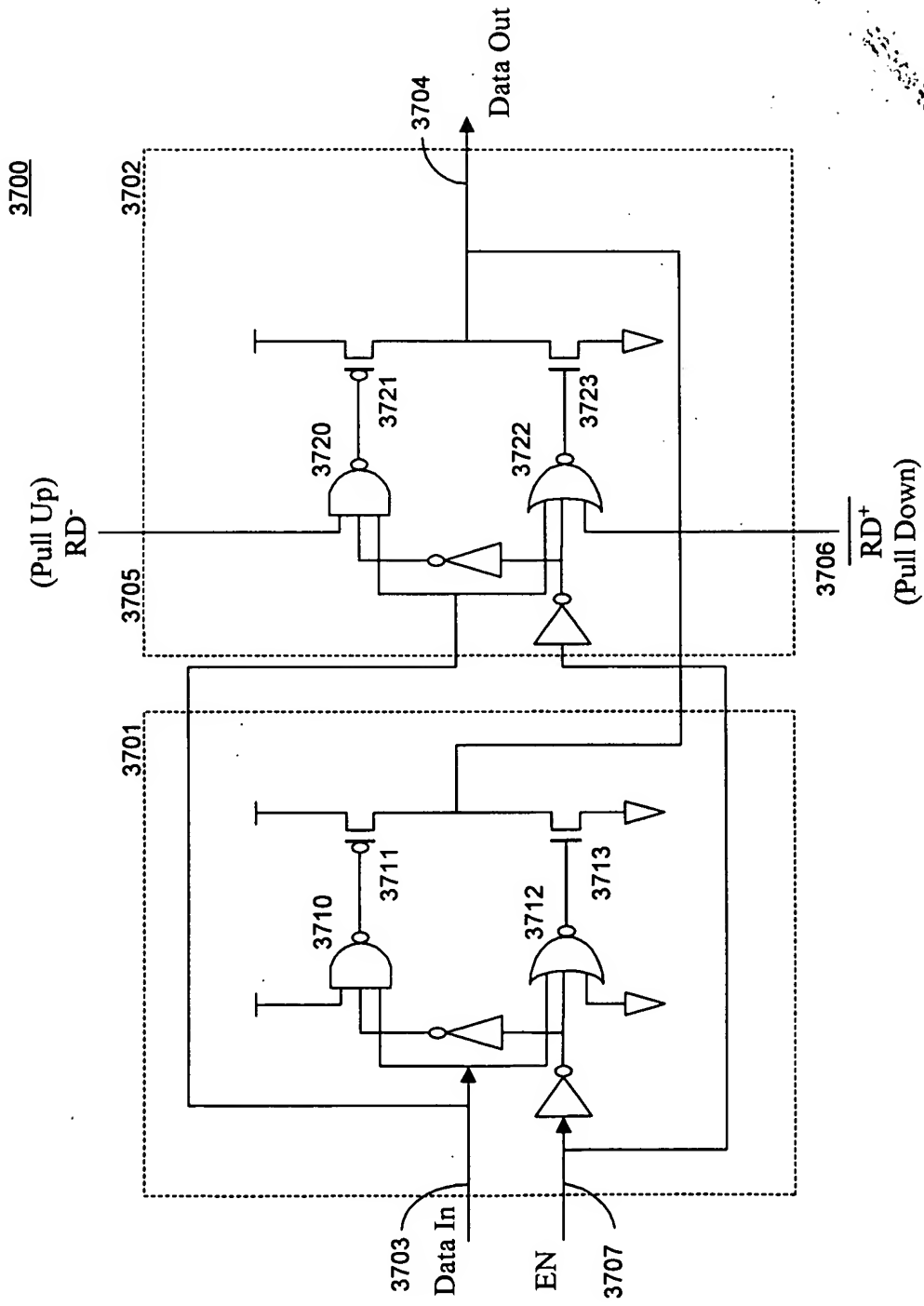


Fig. 37B

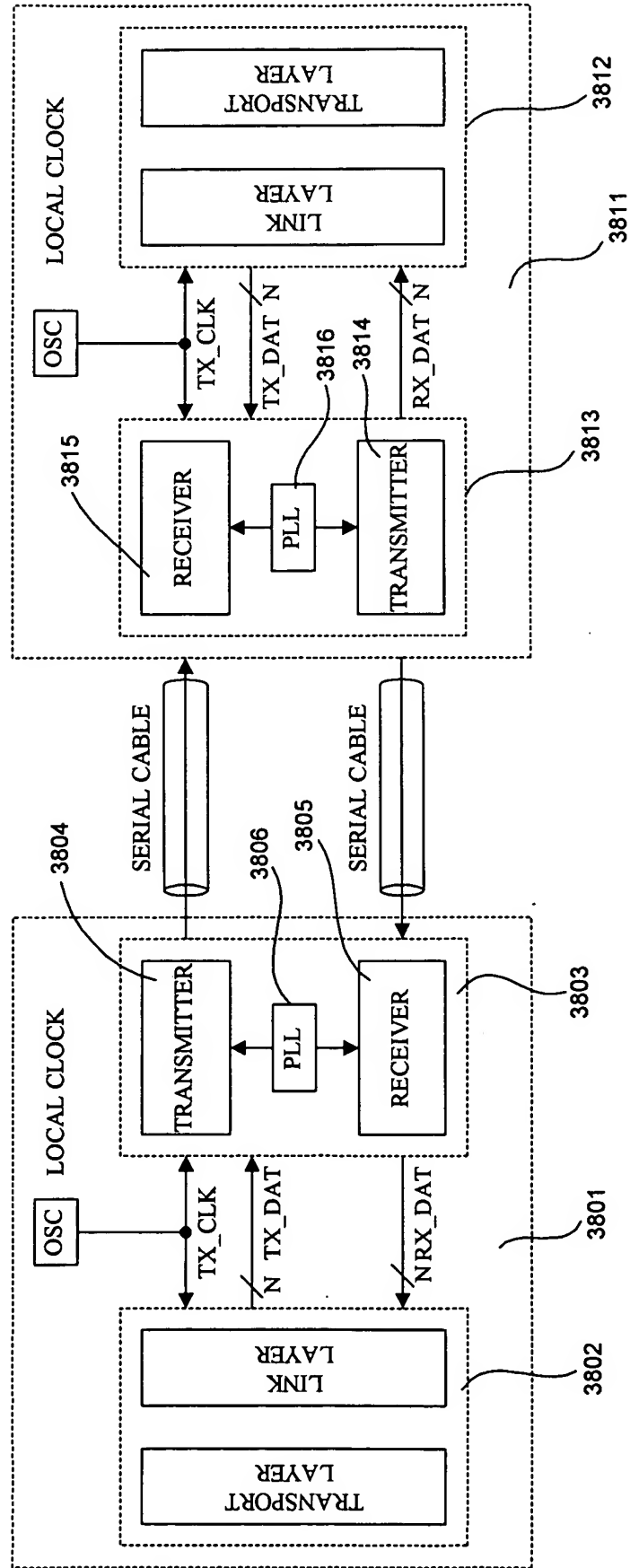


Fig. 38A

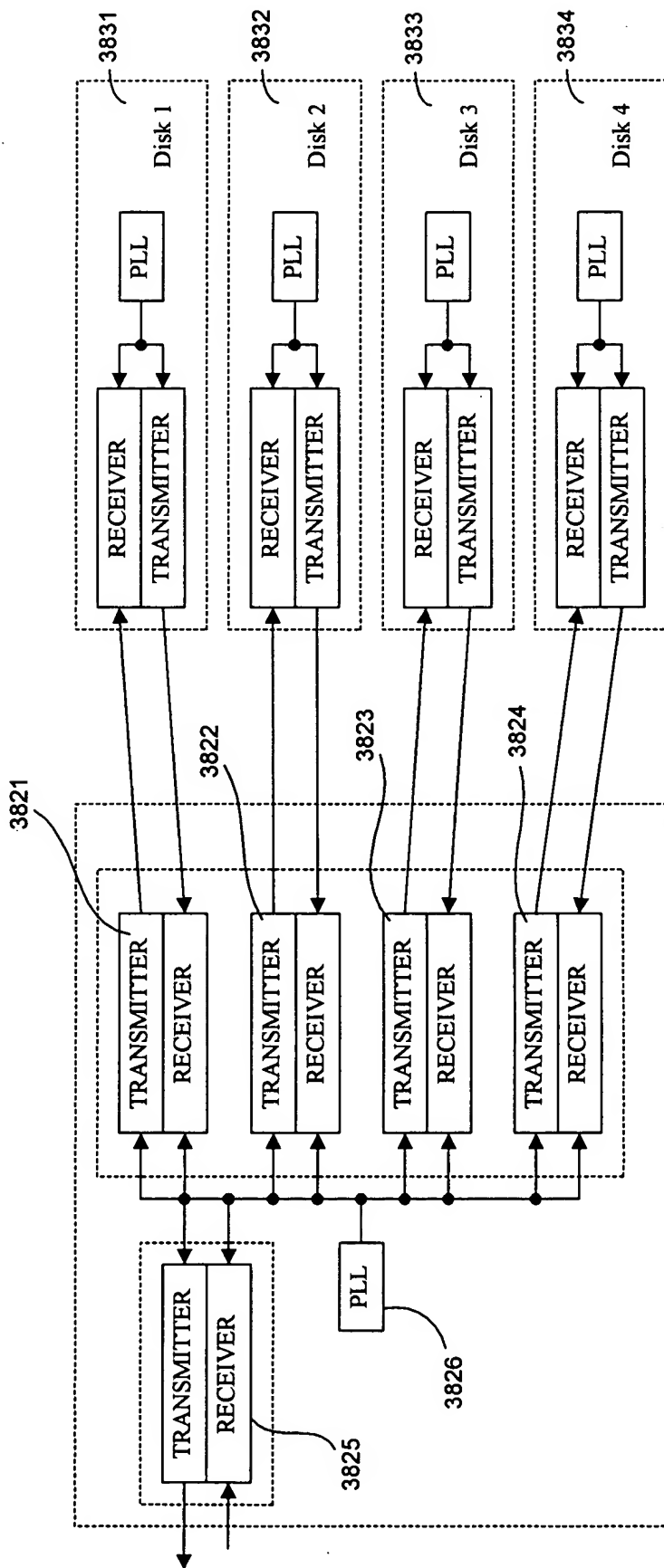
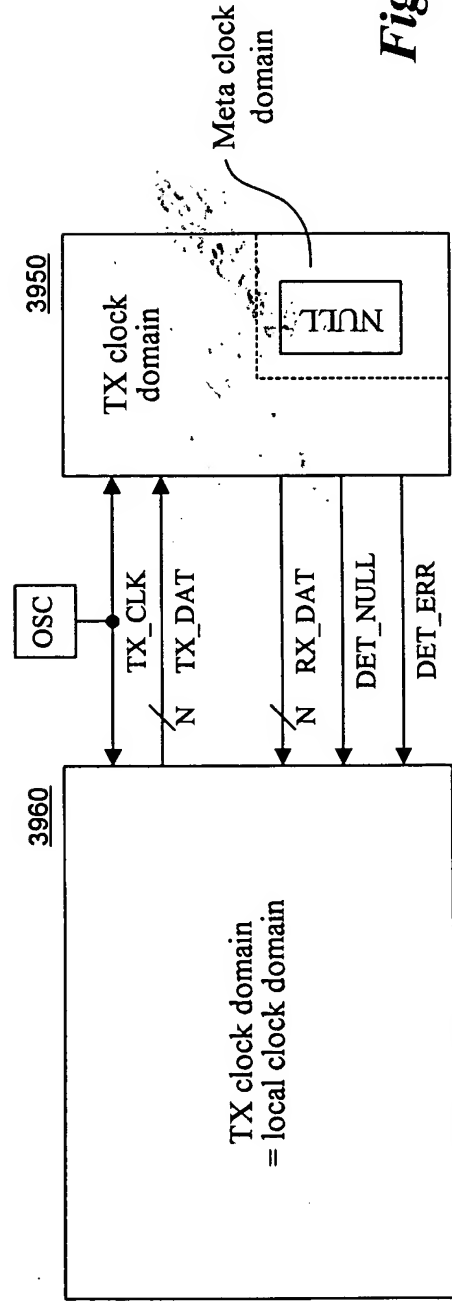
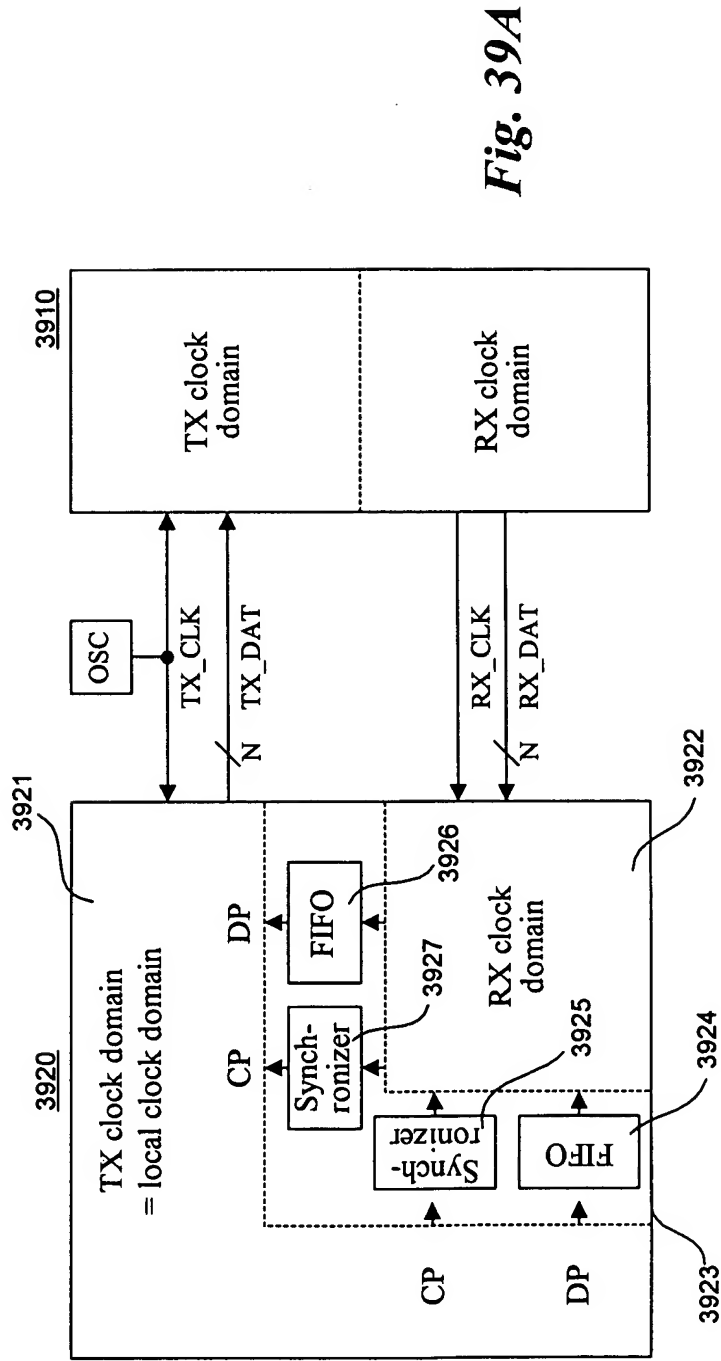


Fig. 38B



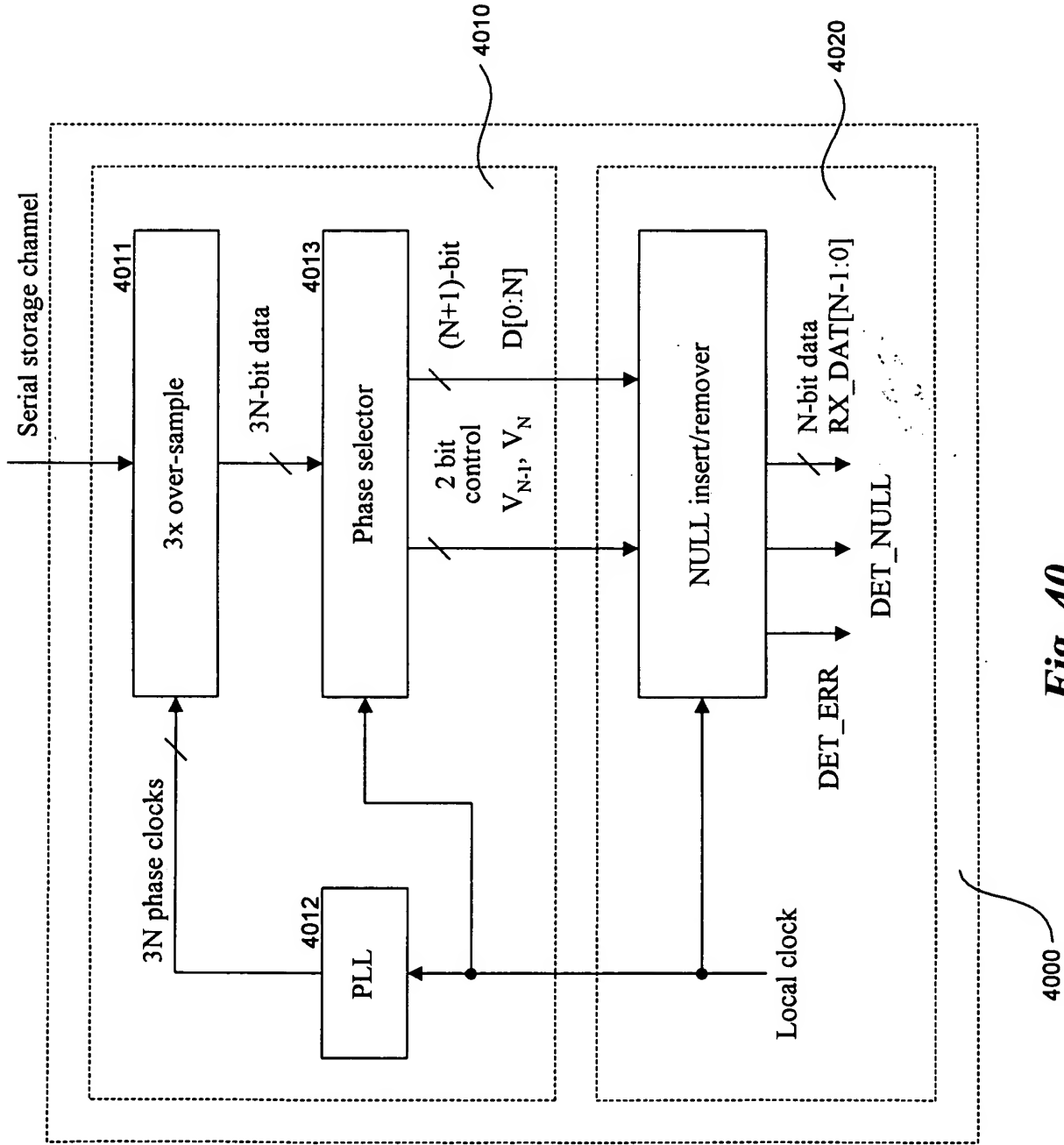


Fig. 40

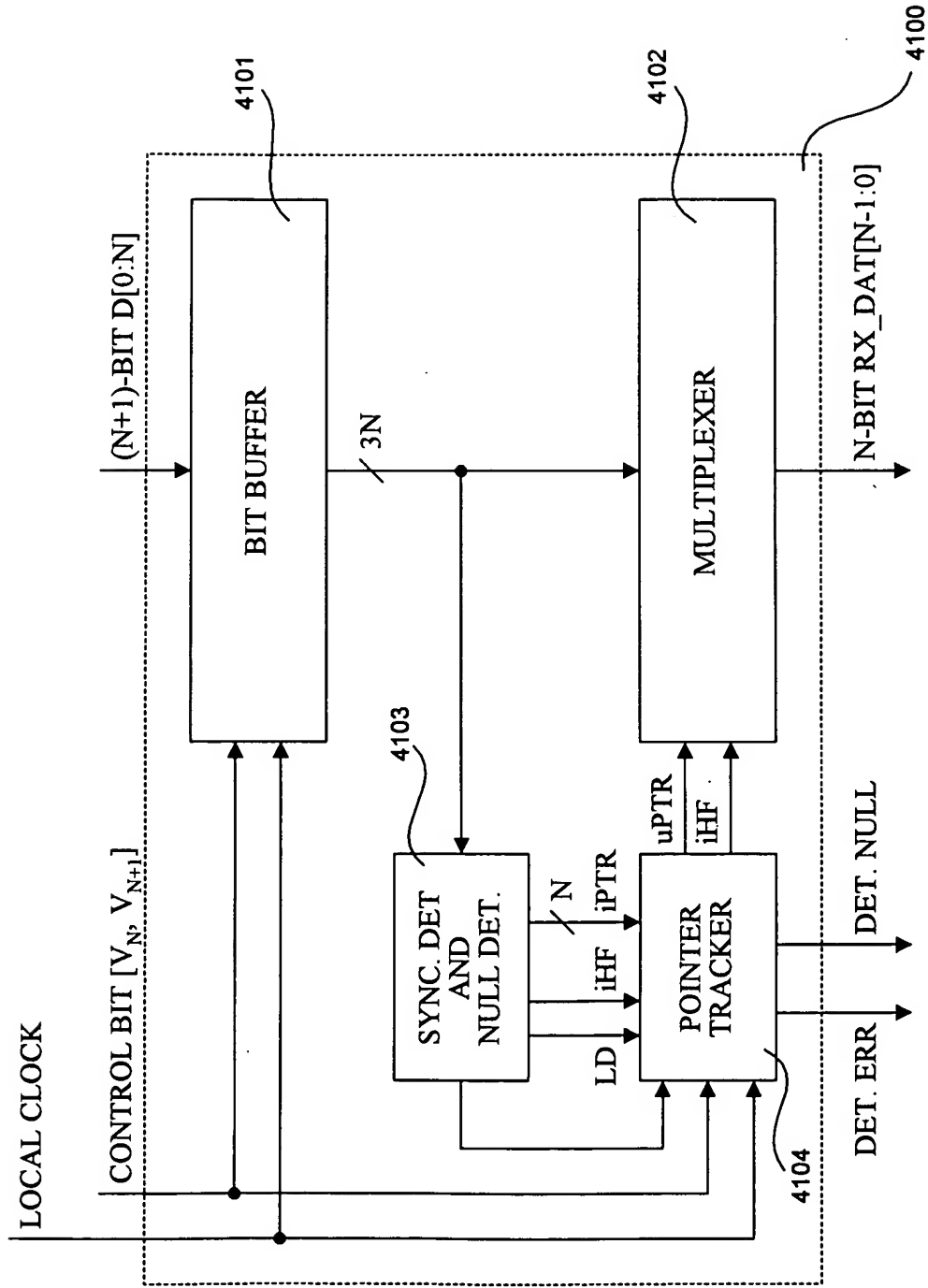


Fig. 41

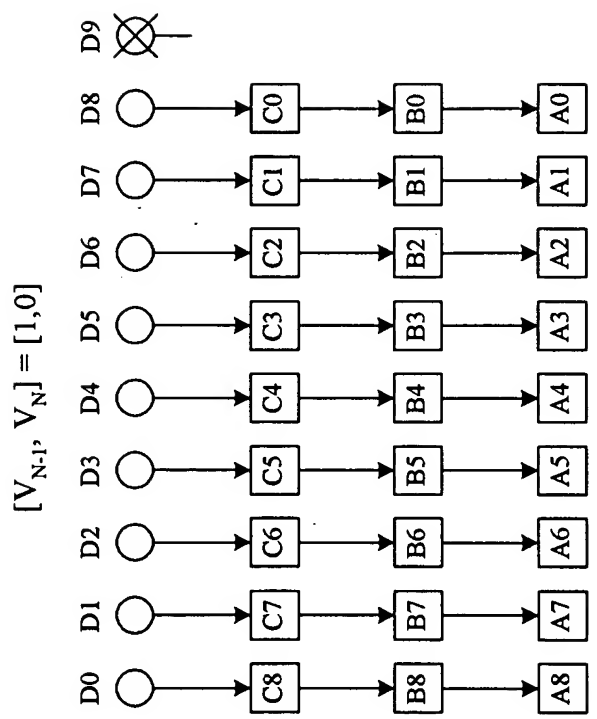


Fig. 42A

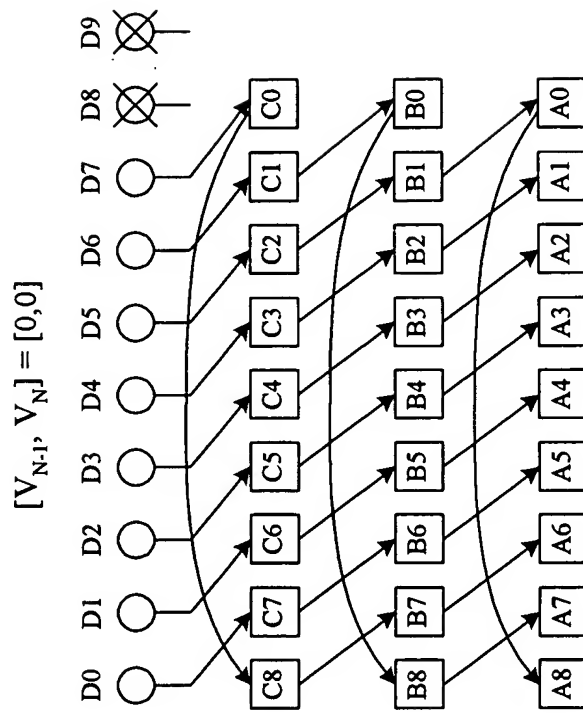


Fig. 42B

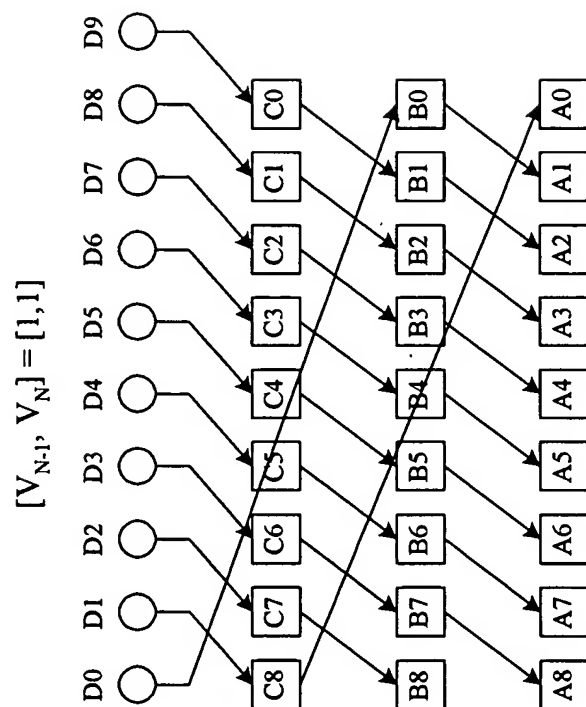


Fig. 42C

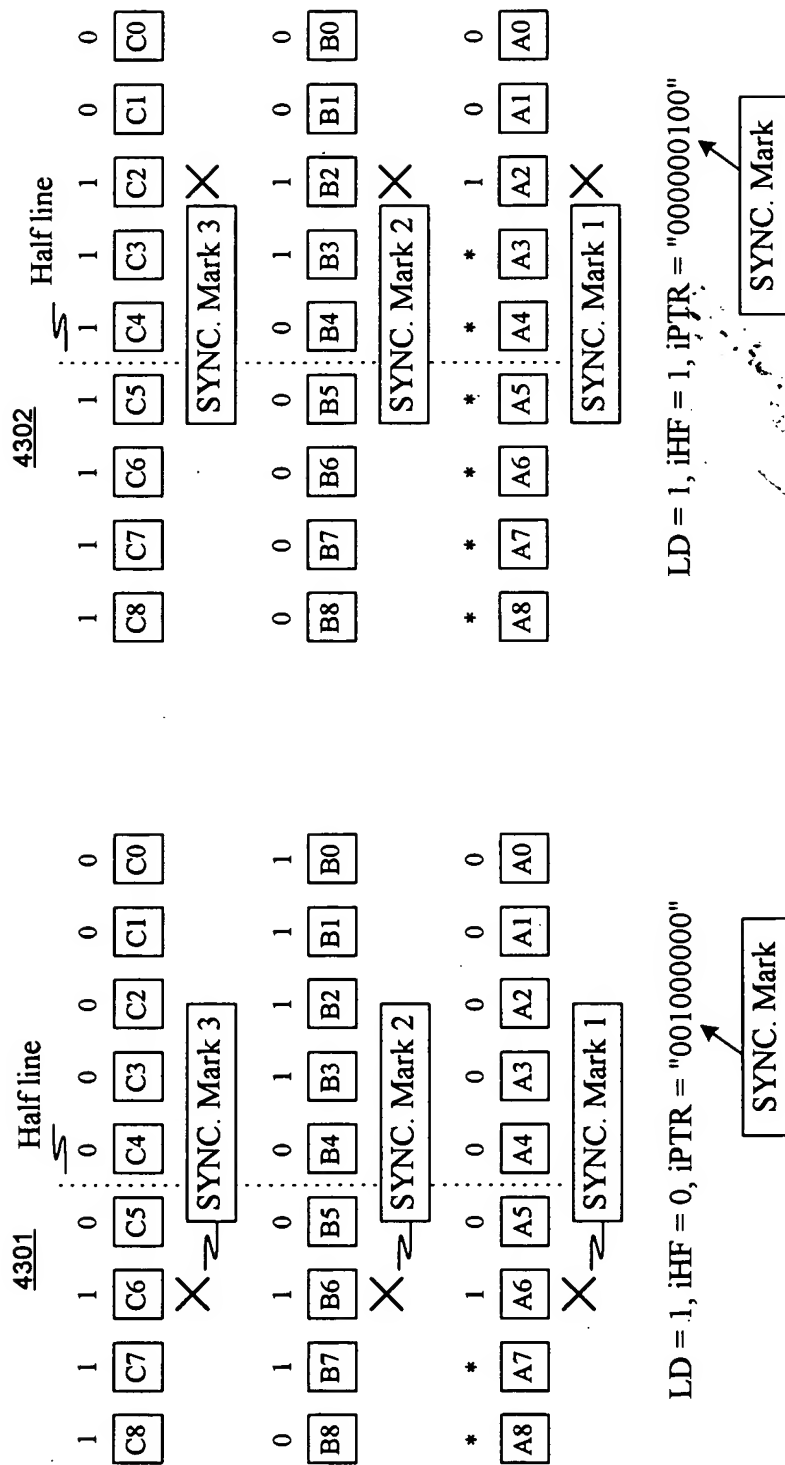
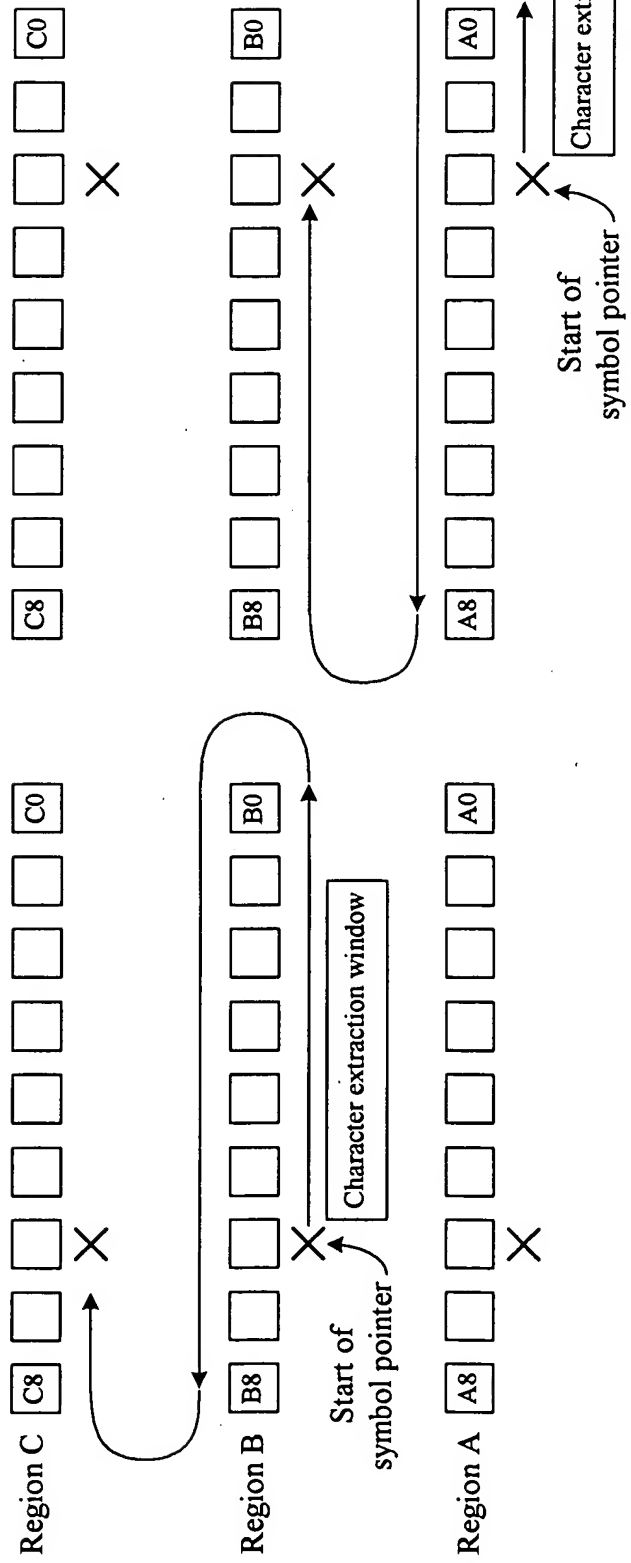


Fig. 43



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LD = 1, iHF = 0, iPTR = "001000000"

Fig. 44

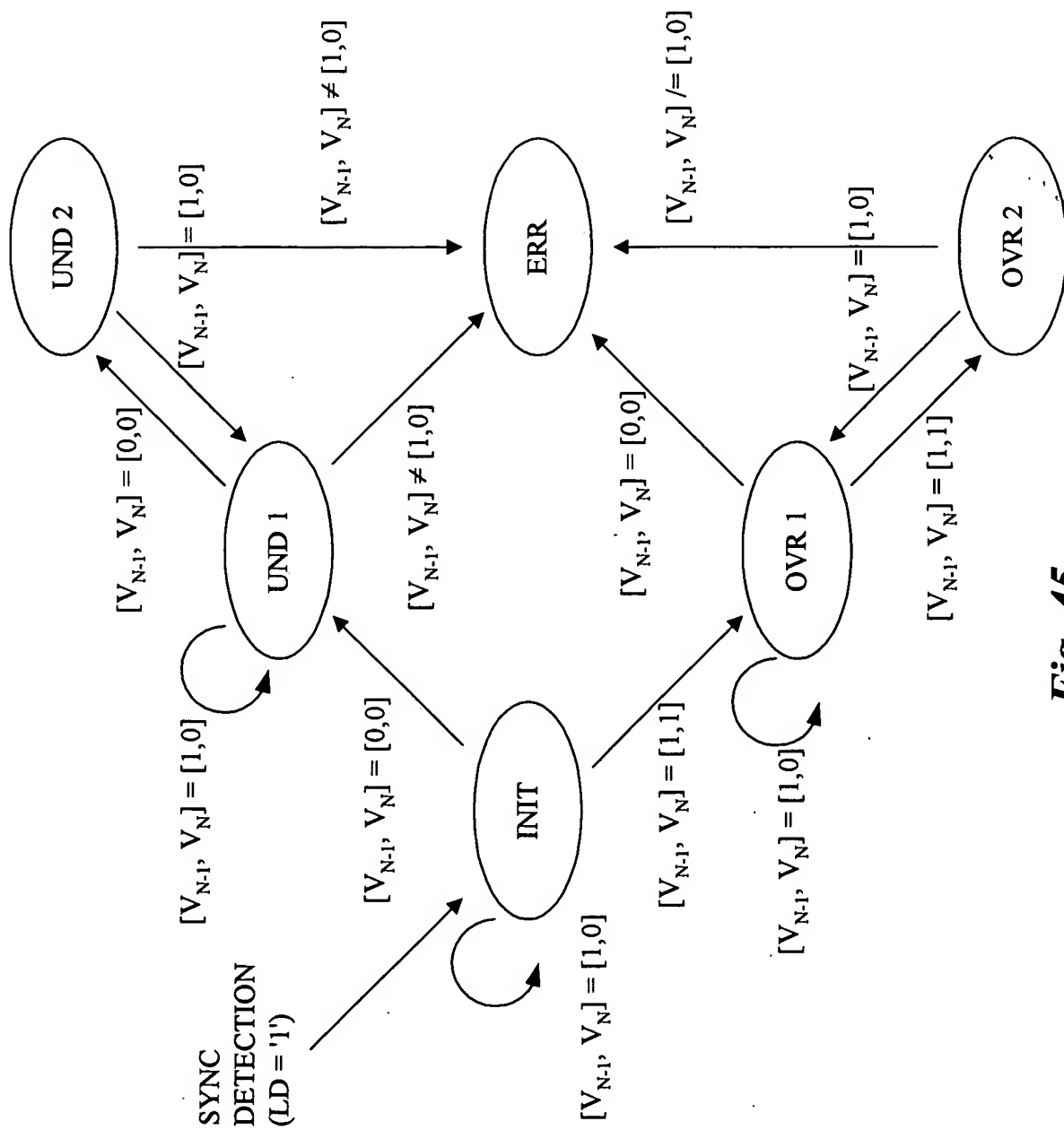


Fig. 45

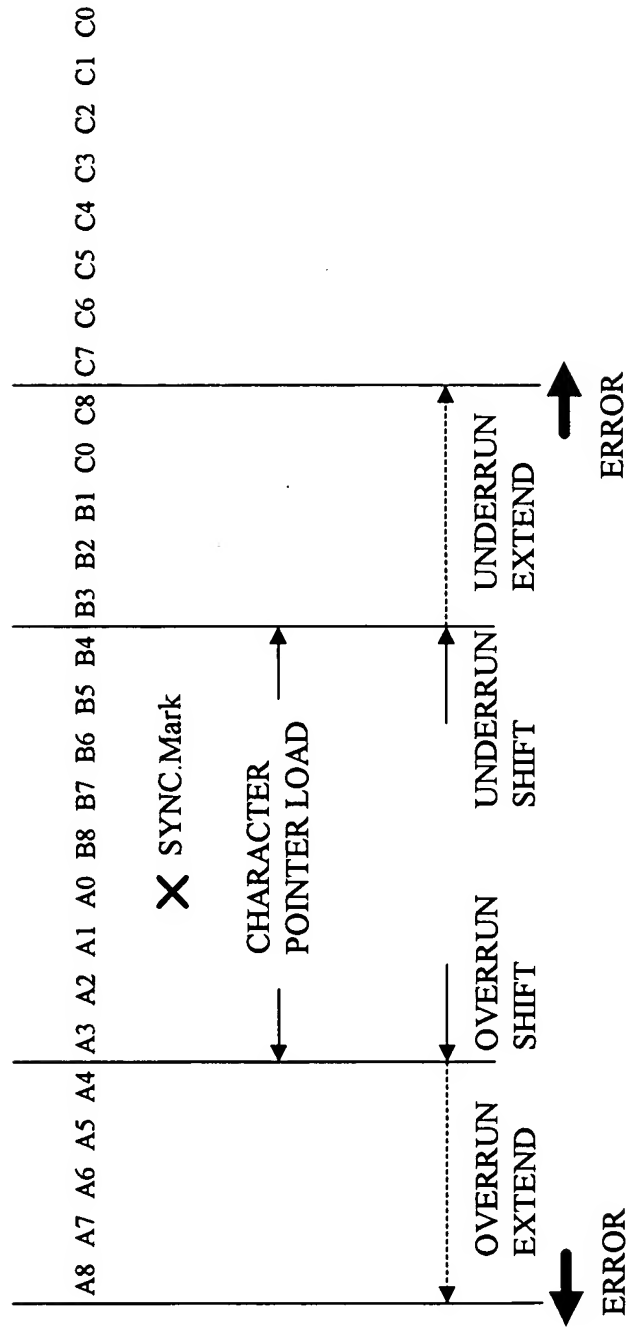


Fig. 46

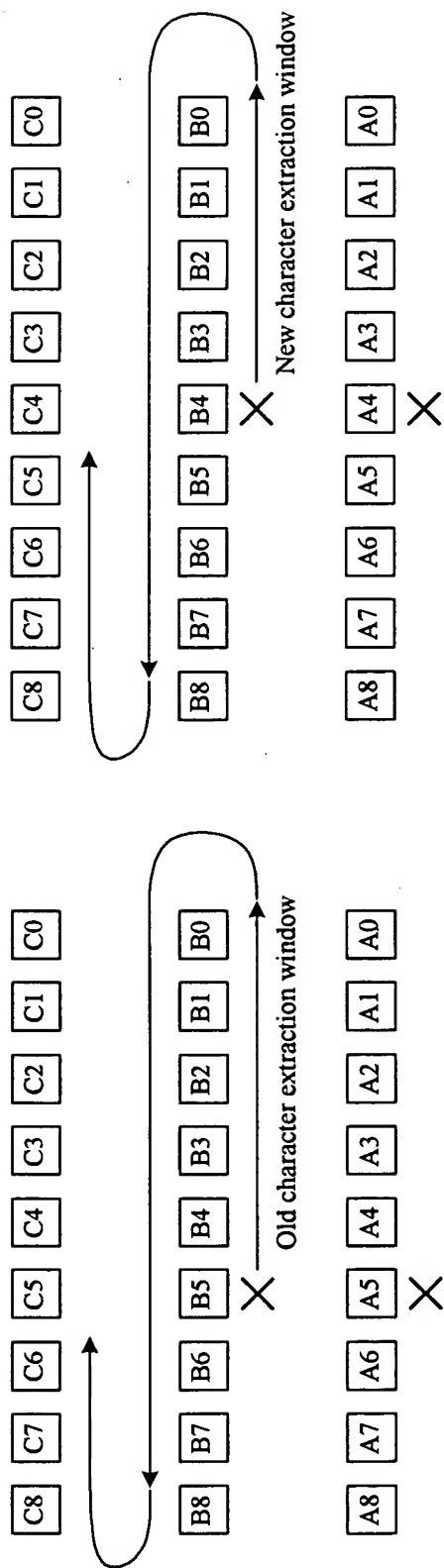


Fig. 47A

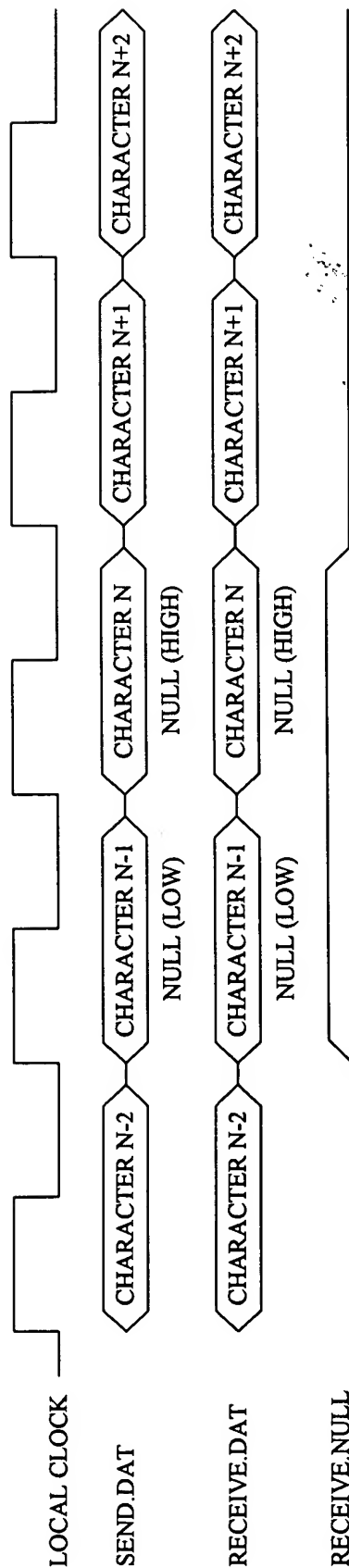


Fig. 47B

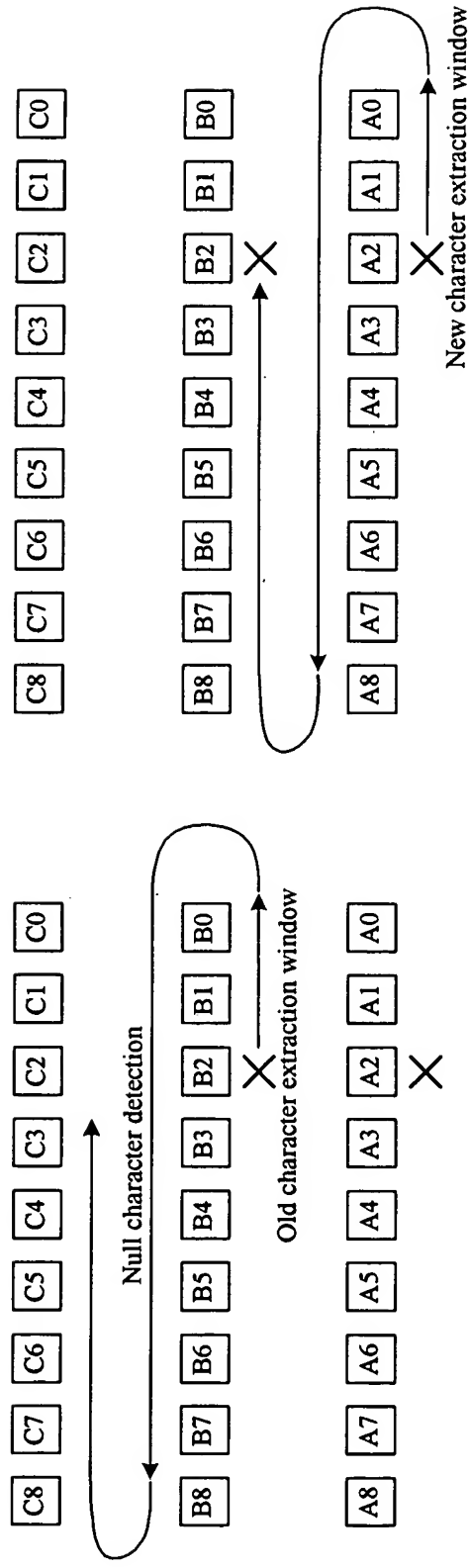


Fig. 48A

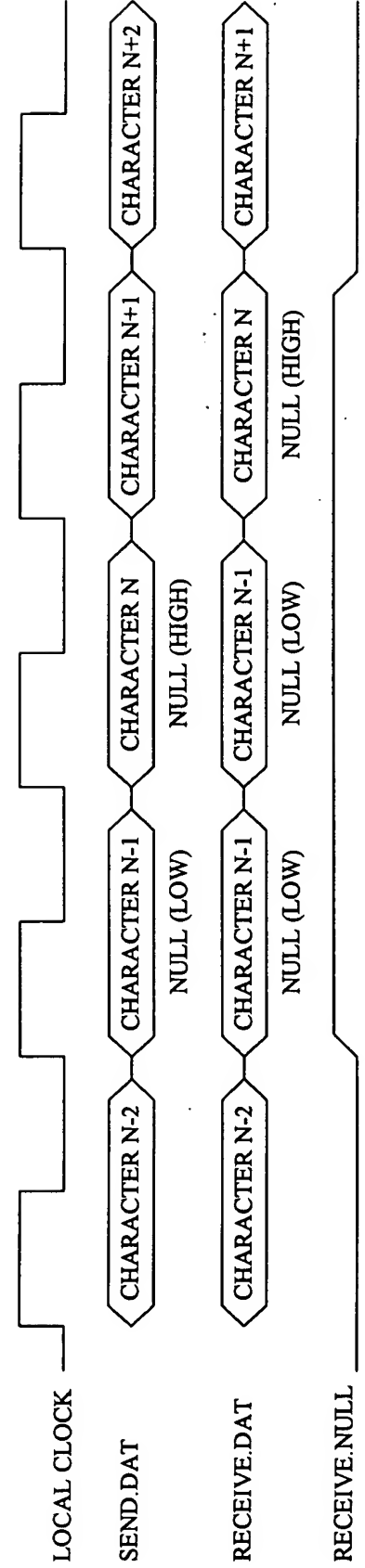


Fig. 48B

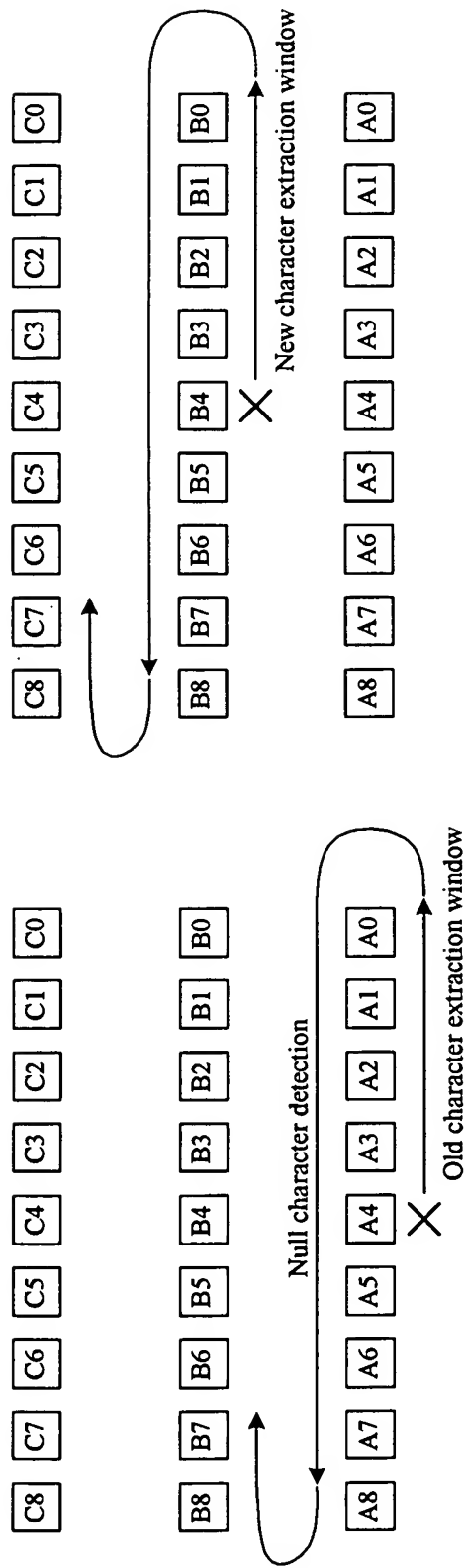


Fig. 49A

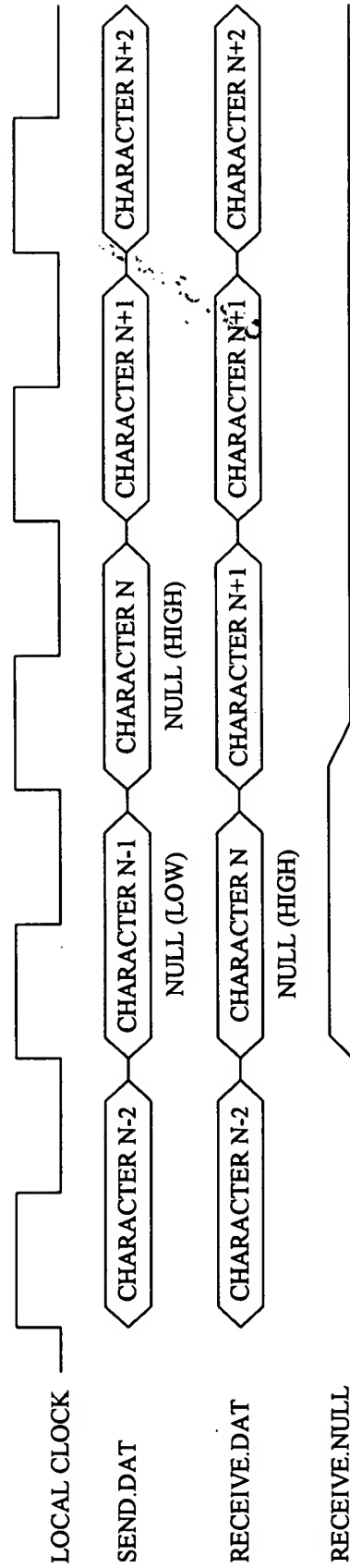


Fig. 49B